

# Clip Driver CD400SP IQ

On-track equipment



The CD400SP IQ is our second generation walk-behind clipping machine, following the original reliable CD400SP.

This robust and efficient self-propelled machine now has an EU Stage 5 diesel engine from Hatz and a new intelligent control system. The CD400SP IQ logs the machine's operational history so the owner can see the running hours and number of clips installed, whilst also monitoring the error log. The machine installs 4 clips simultaneously across two rails and has a sleeper lift function for new construction projects. The maneuvering unit is now cordless to be more flexible for the operator.

## → TECHNICAL FEATURES

### **Compatible with a broad range of Pandrol clips**

Suitable for use with the Pandrol Fastclip, the Pandrol e-Clip, and Pandrol PR-Clips (PR400 Series) there are a wide range of options for automatic clipping.

### **Whisper quiet operation**

Operating at 78.5 decibels (at 1 metre) at full throttle, the CD400SP IQ is easily drowned out by ambient traffic noise (80Db).

### **Pandrol-quality systems**

A reliable and robust machine that gets the work done. With Pandrol quality machinery, a reduced requirement for maintenance saves you time and money.

### **Transport mode**

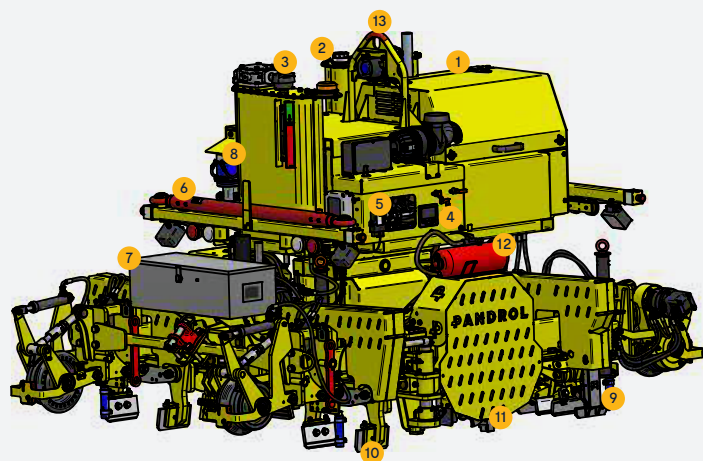
The machine can be lifted up into a transport mode to prevent collision with sleepers and shoulders.

### **Hydraulic system**

Load sensing system that reduces the oil temperature and improves the life cycle of components.

## → ADVANTAGES

- The EU Stage 5 diesel engine increases fuel efficiency, reduces emissions, and dramatically reduces noise.
- Proximity sensors and automatic clipping function simplify the operation and help the operator to optimize the production rate.
- Pandrol's guiding rollers centre the machine in work mode for impressively precise work.
- Uses a wireless control panel.



## → COMPONENTS

- |                            |   |
|----------------------------|---|
| 1. Motor / engine          | 8. Emergency operation pump             |
| 2. Diesel fuel tank        | 9. De-clipping tool Fastclip            |
| 3. Hydraulic oil tank      | 10. Clipping tool Fastclip              |
| 4. Display                 | 11. E-clip module with de-clipping tool |
| 5. Manual operation levers | 12. Fire extinguisher (option)          |
| 6. Tow bar                 | 13. Lifting point                       |
| 7. Toolbox                 |   |

## → OPERATION



## → SPECIFICATIONS

Technical specifications	
Machine type	Clip Driver CD400SP IQ 014700
Length	3220 mm
Height	From top of rail 1830 mm - work Total when parked alongside track w2110 mm - transport
Width	2290 mm
Weight	3075 kg total weight with tools for clipping and declipping Pandrol Fastclip, sleeper lift and guiding rollers.
Track gauge	1000 mm, 1435 mm, 1600 mm
Rail wheels U/C	S1002 - profile Ø 250 mm
Clipping / Declipping	4 clips per cycle
Sleeper lift	Grip force, sleeper 1200 - 12000 Kp Lifting force 350 - 3500 Kp Lifting length 350 mm
Electrical system	24 V
Hydraulic system	LS system Maximum 200 bar
Engine	Hatz diesel type 3H5OT - 70 litres tank
Hydraulic tank	70 litres
Braking distance	Max 5 m
Noise at 1 meter	Full throttle front 78.5 dB (A), Full throttle right 77 dB (A), Full throttle rear 75 dB (A), Full throttle left 6 dB (A)

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