PANDROL
Partners in excellence

Clip Driver CD400SP IQ

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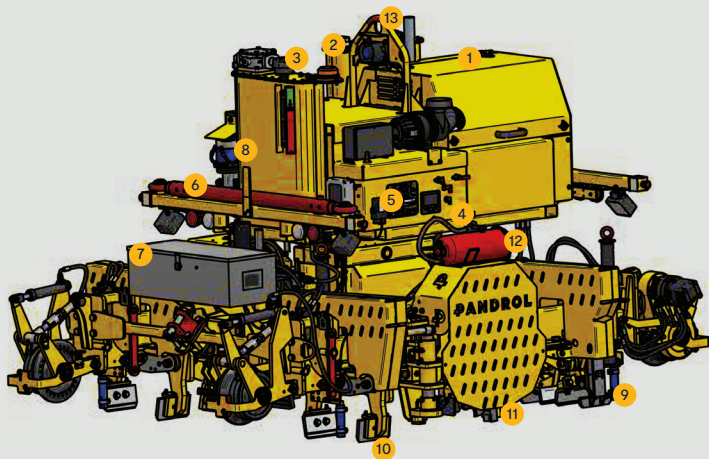
Transport mode
The machine can be lifted up into a transport mode to prevent collision with sleepers and shoulders.

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

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

→ OPERATION /

Standard compliance

- XXXXXXXXXXXXXXX

Approved by :

NETWORK RAIL
PRODUCT ACCEPTANCE
No: **PA05/06369**

→ LEARN MORE

→ SPECIFICATIONS /

Technical data	
Description	Clip Driver CD400SP IQ
Clips	FE / FC / e-clip / PR401
Engine	Hatz diesel type 3H5OT – 70 litres tank
Lenght x Width	3220 mm x 2290 mm
Height	From top of rail 1830 mm – work Total when parked alongside track 2110 mm – transport
Weight	3075 kg total weight with tools for clipping and declipping Pandrol Fastclip, sleeper lift and guiding rollers.
Clipping / Declipping	Up to 4 clips per cycle (e-clip declipping : 2 clips per cycle)
Track gauge	1000 mm, 1067 mm, 1435 mm, 1520 mm, 1600 mm (others on request)
Rail wheels U/C	S1002 – profile Ø 250 mm
Capacity	Up to 40 sleepers/min
Sleeper lift	Grip force, sleeper 1200 – 12000 Kp Lifting force 350 – 3500 Kp Lifts low laying sleepers of 90 mm
Electrical system	24 V
Hydraulic system	LS system Maximum 200 bar
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)
Clip offset	Yes

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