

# Torrent Trackside's Rosenqvist CD400SP clipping machines

April 9, 2024



**Torrent Trackside** is one of the only specialist providers of rail specific plant in the UK and has a unique understanding of the needs and challenges facing the rail industry.

The company is investing heavily in the latest equipment designed to get projects completed safer, quicker and to budget. As part of this investment Torrent Trackside operates a fleet of Rosenqvist CD400SP clipping machines. The CD400SP is an efficient and powerful machine designed to clip and declip Pandrol Fastclips.

A rail clip is the metal component that attaches the rail to the sleeper. It ensures that the rail maintains its correct position and gauge, preventing it from slipping or moving, even when subjected to the heavy loads and vibrations of passing trains.

Without rail clips, the railway system would be unsafe, inefficient, and unreliable, therefore it is vital to have efficient machines to attached and remove clips from the rail structure.

The CD400 is controlled by a single walk behind operator, via an easy to use handheld remote control attached to the clipper. The operator can control all basic functions from the handset including speed, clipping and declipping.

The clipping capacity is approximately 30 sleepers per minute and the machine can simultaneously install 4 clips per cycle. Accuracy is guaranteed by innovative proximity sensors and guiding rollers which centre the machine for optimum precision. The machine can also lift sleepers up to a height of 350mm. The CD400SP is powered by a high performance Hatz diesel engine providing excellent fuel economy, low emissions and outstanding reliability.

The CD400SP has numerous safety features. The walk behind operation eliminates HAVs and the quieter engine assists concentration and comfort. The machines noise output at 2 metres distance is 75db at idle and 83db at full throttle. Braking to a complete stop is achieved at just 300mm at normal speed and 1900mm in high speed mode.

The CD400SP is manufactured by Rosenqvist based in Sweden who have been manufacturing rail equipment for over 25 years. Torrent Trackside Operations Director, Carl Abraitis commented, "Rosenqvist is an industry leading brand and their determination to make smarter machinery which increases productivity, reduces possession time and improves safety goes hand in hand with our business model and values at Torrent Trackside".

The CD400SP is approximately 3m long by 2m wide and weighs just under 3 tonnes. The machine is delivered by low loader from one of Torrent Trackside's 9 UK wide depots.

Torrent Trackside provides a complete range of portable track maintenance tools from clippers and triple wackers to the latest lightweight, low HAV, emission free battery powered tools. The company is part of the successful Vp plc group. It has been supplying rail plant for over 30 years and will continue into the future through a winning combination of innovative products, sound investment and excellent service.