

GE Transportation

Through an innovative modular design and minimal moving parts, the CTS-2 Point Machine from GE - Transportation is extremely reliable, resulting in fewer late trains and a reduced life-cycle cost.

The CTS-2 integrates all the traditional point machine components into a single in-sleeper unit. The system consists of modular subsystems including a metallic sleeper, a motor unit with a supplemental hand crank for dual control, and a locking detection unit. The modular design permits the replacement of individual components without removing the sleeper. Installation of the CTS-2 is simple and straightforward.

The CTS-2 eliminates the need for scheduled lubrication and regular adjustments, resulting in faster return on investment. There are no left- and right-hand versions, therefore reducing spares inventory. The central feature of the CTS-2 is a patented locking and detection system. The mechanism locks when it has moved to the correct position and meets the required force against the stock rail. This ingenious design reduces the number of moving parts and dramatically improves reliability over current models. The CTS-2 can be trailable or non-trailable.

Designed to the highest reliability standards and put through stringent verification and validation, the CTS-2 achieves a new industry milestone in the field of point machines.



CTS-2 Point Machine



Specifications

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Operating Requirements

High-voltage motor: 110 VDC

Start-up current: 10 to 30 amps (200 ms)

Operating: 4 to 8 amps

Obstructed: 4 to 8 amps

Maximum Force

5,500 N

Locking Force

> 88,900 N

Operating Time

110 VDC: 1.5 seconds

Operating Temperature

Minimum: -40°C

Maximum: +70°C

Dimensions

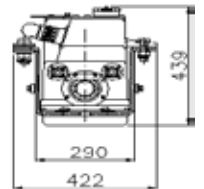
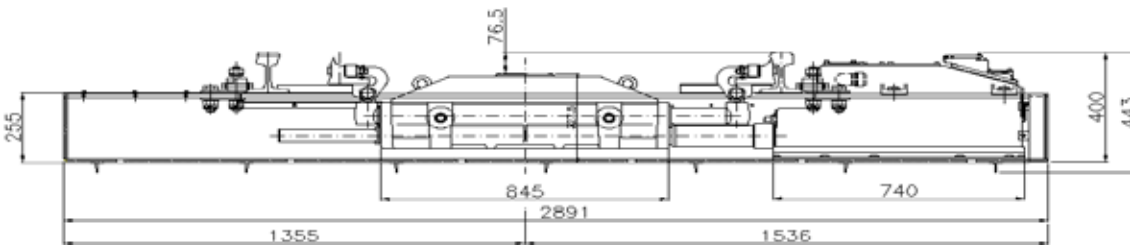
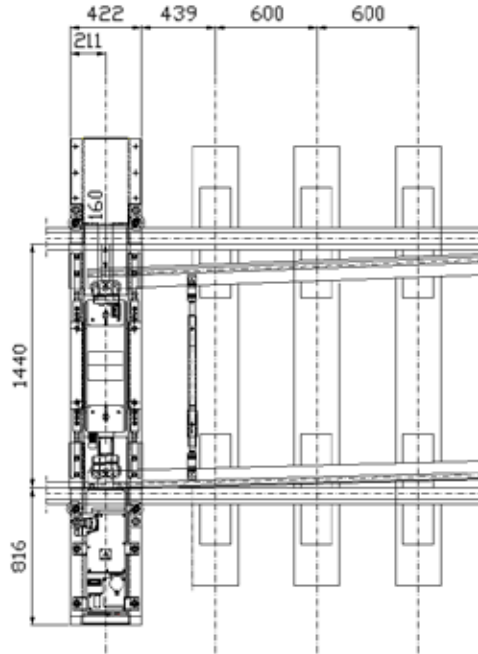
Height: 43.9 cm

Length: 289.1 cm

Width: 42.2 cm

Weight

896 kg



GE imagination at work