



FieldTrac 6343 L826H

Electro-Hydraulic Point Machine with Variable Stroke

Main References

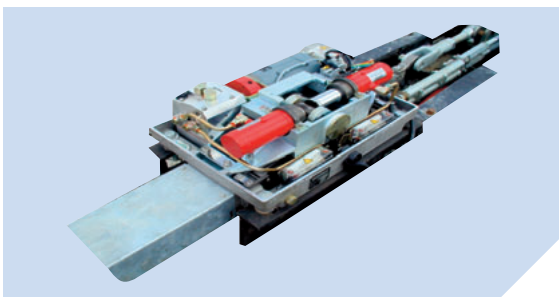
- DB AG Germany
- RENFE Spain

FieldTrac 6343 L826H is a new-generation electro-hydraulic point machine with variable stroke, which can be integrated into the sleeper. Its design enables a major part of the point machine to be pre-assembled at the production plant. This, in turn, leads to decreased installation time, reduced maintenance costs and increased availability.

Main Functions

In order to increase the efficiency of railway lines, a new point operation system has been developed. The distinctive changes between the new system and its predecessor include the installation of the point machine in the sleeper and the use of individual blade control instead of rods.

Providing the same qualities as its predecessor, FieldTrac 6343 L826H fulfils these new demands.



> FieldTrac 6343 L826H

The operation stroke and the operation power are individually adjustable. The point machine is highly efficient and virtually maintenance-free. It is suitable for left- or right-hand turnouts without any change of the machine.

FieldTrac 6343 L826H contains a closed dustproof electric motor. The electric motor drives the pump which generates the pressure to move the assigned cylinder.

The cylinder moves the throwing-disc to a full rotation angle which is driven during every operation movement. Because of this, the throwing time remains equal. This minimises the force needed and thus the wear during the throwing of points.

The throwing disc is connected to the throwing rod which moves the point.

Point detectors indicate the correct position of the point after the movement.

Components

The hydraulic components are part of a closed system. They consist of a reversible radial piston pump, two hydraulic cylinders, adjustable pressure relief valves, check valves and an oil container.

The mechanical components consist of the throwing and blocking disc, the throwing rod and the detector bars.

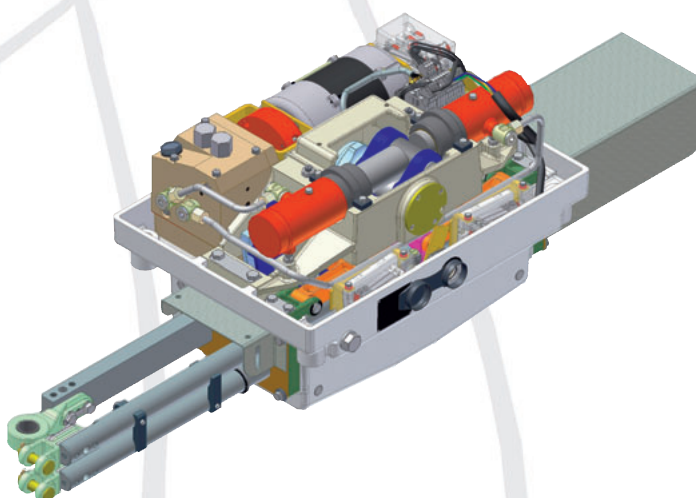
Key Benefits

- Standardised devices
- Variable stroke
- Adjustable throwing force
- Throwing time is independent of the stroke
- Adjustable retaining force
- High availability
- High reliability
- Suitable for left- or right-hand layouts without any changes of the point machine
- Virtually maintenance-free

Technical Features and Configuration

Power supply:	400 V, 3-phase, 50 Hz
Power input:	approx. 700 W
Throwing stroke:	between 80 mm and 260 mm adjustable
Point opening:	between 45 mm and 170 mm adjustable
Throwing force:	between 2,000 N and 7,000 N adjustable, depending on the throwing stroke
Retaining force:	– trailable version: between 7,000 N and 9,000 N adjustable – non-trailable version: approx. 30 kN
Operating time:	approx. 5 seconds

Other versions/settings upon request



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