



ECOSTAR 5.0

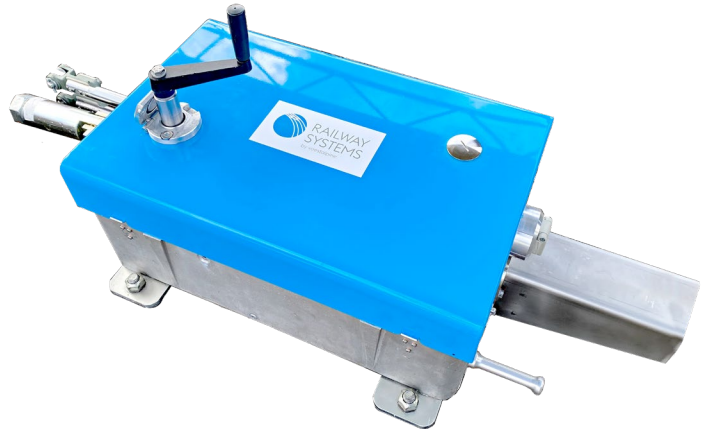
The compact electro-hydraulic point machine system with external lock.

Description

ECOSTAR 5.0 is a point machine of the latest generation. It can be used regardless of the interlocking technology and is basically compatible with all standard interlocking systems.

The compact point machine system with external locking system, e.g. SPHEROLOCK® NG, offers simple configuration options for setting and impact forces. Conversion from „non-trailable“ to „trailable“ design while installed in track is possible by simply exchanging modules. The interchangeability of the modular system components optimises the repair time.

The low weight enables easy installation and handling. Its slim design makes it perfect for tunnel applications and retrofitting or modernising existing point machines.



Maximum safety, reliability and availability, even under adverse environmental conditions.

System advantages

- » Standardisation and expansion of diagnostic options
- » Equipped with Remote Vital Inspection (RVI) to extend inspection intervals
- » Increased robustness
- » Modularity for shorter MTTR times
- » Larger housing for better accessibility and serviceability as well as climate resistance
- » Environmentally friendly due to the use of biodegradable oil
- » Suitable for all turnout types, including movable point frogs



Further description

Digital monitoring enables railway companies to make immediate availability statements without employees having to enter the track. This eliminates the need for significant interventions in railway traffic without a verifiable reason: Less disruption to operations, higher

availability of the track system, greater cost-effectiveness and targeted availability of spare parts on the track. The railway track is less impaired and is therefore available for longer for economic operation.

Technical characteristics

Feature	Value
Turnout type	Vignol
Minimum gauge of the turnout (mm)	independant
Throw range (mm)	110 to 240
Main dimensions (LxWxH, mm)	1315x466x294
Overall mass (kg)	115, without connecting parts
Temperature range	-40° to +80° C
Protection class	IP67, according to EN 60529
Fixation to track	Stock Rail Fixation / Sleeper Fixation with bearers
Housing material	Aluminium
Locking system	external locking device
Max. number of possible locking and setting units	Single- and multiple Setting Levels possible
Max. Throw force	2 - 9 kN
Power supply	12V - 400V AC/ DC
Trailing speed	from 2 - 8 sec. (depending on power) electro-hydraulic; from 0,8 - 7 sec. electro-mechanic