

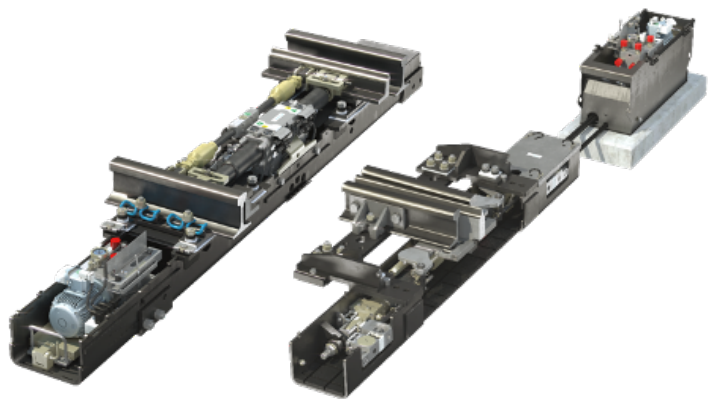
HYDROSTAR® SETTING SYSTEM

A modern combined point operating, locking and detection system

Description

HYDROSTAR® is a modern combined point operating, locking and detection system. It can be used for switches (HYDROSTAR® ZV) as well as for movable point frogs (HYDROSTAR® HB).

Thanks to positive locking of the closed switch blade as well as the open one, the system is predestined for the use on high-performance tracks.



System advantages

- » Compatibility with various interlocking systems
- » Easy installation and handling
- » Slim-fit design => perfect for installations in tunnels
- » Minimal maintenance requirements
- » Sealed components (Protection class IP65)
- » Low life cycle costs
- » Suitability for all turnout types
- » Availability for switch assemblies as well as swing nose crossings
- » Highest reliability and availability combined with maximum safety
- » A system approved according to CENELEC 50126/50129



MAXIMUM PERFORMANCE

The HYDROSTAR® setting system provides you with optimum efficiency by consistently minimizing life-cycle costs. Its innovative encapsulated design is the main reason for a massively reduced preventive maintenance effort in the area of turnouts. All variants of HYDROSTAR® require only one power unit which enables a very convenient integration into the interlocking system. Smaller turnouts with movable point frogs can even be operated with a

combined version that runs both turnout components using again only one power unit HYDROSTAR® is suitable for all turnout geometries and track superstructures. The use of individually tested assemblies and just-in-time delivery to the installation point guarantee maximum availability of your railway track. Fully automated tamping when installing in hollow sleepers also guarantees the highest level of efficiency.

Technical characteristic

Designation	Value / Type
Number of possible locking and setting units	2 to 6 (HYDROSTAR® ZV)
	1 to 3 (HYDROSTAR® HB)
Maximum setting force	3500 to 9000 N (HYDROSTAR® ZV)
	10000 N (HYDROSTAR® HB)
Operating pressure	max. 100 bar
Active force onto the switch blade	up to 2500 N
Active force onto the movable point frog	up to 2000 N
Ambient temperature	-40 °C to +70°C
Trailable	non-trailable
Supply voltage of the drive motor	3-phase-current 400 VAC
Interface to the interlocking system	4 wire technology
Interlocking monitoring voltage	60 VDC
Gauge	≥ 1430 mm