

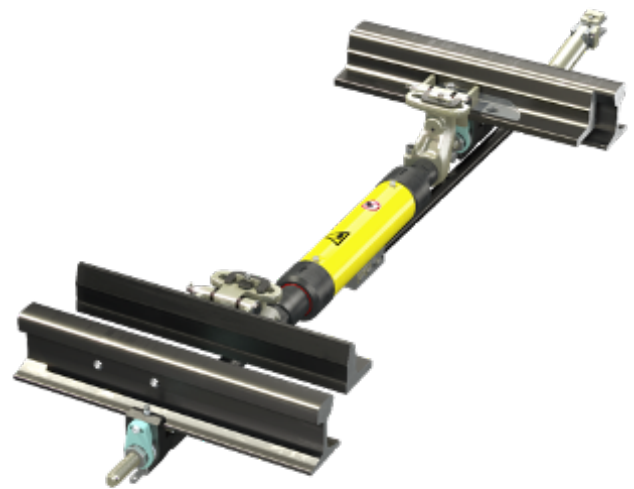


SPHEROLOCK® LOCKING SYSTEM

A fully encapsulated and long-time lubricated locking system with a revolutionary locking principle

Description

The fully encapsulated, long-term lubricated locking system, SPHEROLOCK®, is suitable for all turnout types, including movable crossings. SPHEROLOCK® features a newly developed locking principle and impresses users with its extremely high level of reliability, low maintenance requirements, environmental compatibility and long service life with low life-cycle costs.



System advantages

- » Easy installation and adjustment
- » Sealed Components
- » Minimized maintenance efforts
- » Like for like replacement of common clamp or claw locks
- » Low Life Cycle Costs
- » Customized solutions
- » Applicable for all turnout geometries and movable crossings
- » Highest reliability and availability even in harsh environmental conditions
- » Trailable up to 40 km/h
- » Safe and perfect position of switch blades at all times



MAXIMUM RELIABILITY

The locking system SPHEROLOCK® is ideally suited for a wide range of applications. Due to the modular design and the use of specially adapted stock rail attachments or tongue attachments all commonly used rail profiles can be equipped. Optimum retrofitting is achieved through short replacement times, minimal adjustment work and no mechanical rework on the construction site.

The compact design enables use in the intermediate sleeper case or a hollow steel sleeper at normal gauges but also at narrow gauges and broad gauges. In conjunction with a force system, it also is possible to equip turnouts with bigger radii and thus several switching levels even if there only is one point operating unit.

Technical characteristic

| Designation | Value / Type |
|--|---------------------|
| Gauge | 1000 to 1600 mm |
| Strokes | up to 220 mm |
| Tongue opening | up to 160 mm |
| Opening of the crossing point | 65 to 110 mm |
| Ambient temperature | -40 °C bis +80 °C |
| Trailability of the switch assembly | given up to 40 km/h |
| Longitudinal displacement of the tongue due to temperature changes | ± 30 mm |