



SPHEROLOCK® NG

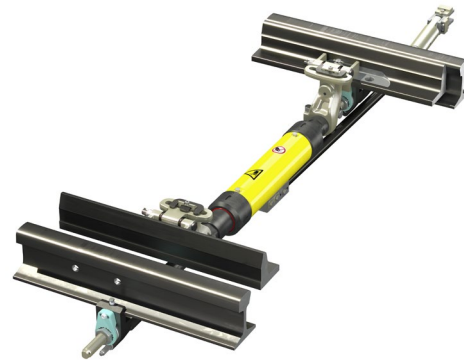
A fully encapsulated and long-time lubricated locking system with a revolutionary locking principle

Description

The external locking system is suitable for all turnout types, including movable crossings. SPHEROLOCK® NG 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.

It features a newly developed locking principle and impresses users with its:

- » extremely high level of reliability
- » low maintenance requirements
- » environmental compatibility
- » long service life with low life-cycle costs



System advantages

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



Extended description

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 transmission system, turnouts with larger radii and

therefore several setting levels can also be safely equipped with just one drive.

Technical characteristics

Designation	Value/ Type
Gauge (mm)	1000 - 1600
Stroke (mm)	up to 220
Tongue opening (mm)	up to 160
Opening of the crossing point (mm)	65 to 110
Temperature range	-40 °C to +80 °C
Locking type	external lock, trailable and non-trailable
Max. Locking levels	6
Max. Holding force	170 kN
Trailability of the switch assembly	up to 40 km/h
Max. longitudinal displacement of the tongue due to temperature changes (mm)	± 30