



# VZ 200 – JAW (CLAMP) POINT LOCK

- Simple installation and setting
- Minimum maintenance requirements
- High railway environment resistance
- Absorption of heat dilatation
- Securing of points for speed of up to 200 km/h
- Tested for speed of 230 km/h

### General Description

The jaw (clamp) point lock VZ 200 is designed to control point blades and frog movable toes and for their locking in the end positions.

By its concept VZ 200 belongs to trailable locks allowing sequential motion of point blades.

The jaw point lock operates directly between the point blade and the stock rail. In the closed and locked position VZ 200 eliminates safely and reliably lateral forces acting on the point blade during movement of the vehicle over the points. In the opened position VZ 200 ensures necessary clearance between the point blade

and the stock rail.

### Basic Technical Description

In preference the jaw point lock is designed for installation to the new points (single, slip) of UIC 60, UIC 54 and S 49 superstructure sets.

VZ 200 can be installed also to the currently operated points of R 65 and S 49 rail sets.

The jaw point lock secures the point blades safely and reliably in their end positions and it is designed for speeds 160 kmh<sup>-1</sup> and higher.

The jaw point lock enables also multiple point machine control of a single point.



VZ 200 jaw point lock allows longitudinal heat dilatation of point blades with no change of basic function. Heat dilatation value  $\pm 20$  mm fully complies with actual point blade lengths and also with extreme temperature changes.

A significant advantage of the jaw point lock is the stability of set point parameters and the environmental properties.

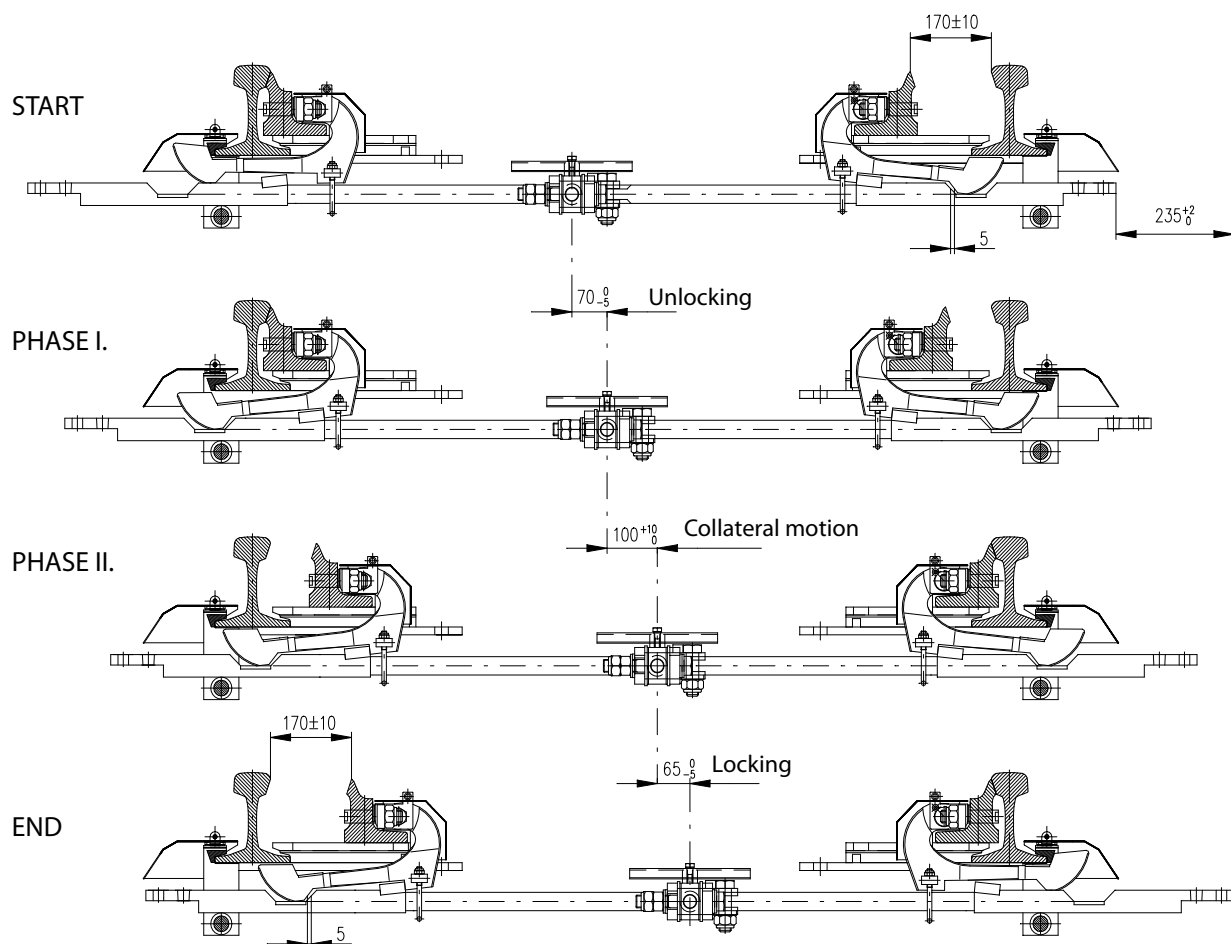
VZ 200 can be applied for different types of points (with one, two, three and more locks) and it can be put between sleepers or into the hollow sleepers.





### Basic Technical Parameters

Point blade dilatation	$170 \pm 10$ mm
Working temperature range	$-40$ to $+70$ °C
Mean service life time	25 years



Jaw point lock scheme

