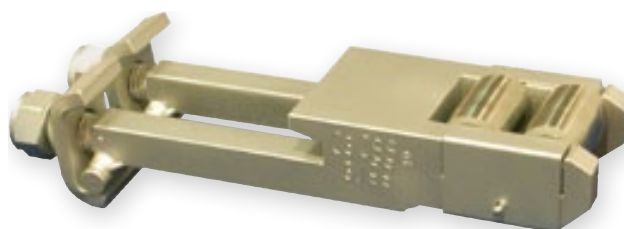


## VSV – LIFTING ROLLER CHAIR

- Simple installation
- Considerable lubricant saving
- Point blades always remain in a direct contact with slide chairs in both end positions
- Minimum maintenance requirements
- High resistance against railway environmental impacts



### General Description

The goal of every railway administration is to operate the points in ecologically sound condition under nearly maintenance-free technology. One way to resolve this problem is to install the point lifting roller chairs substituting the sliding friction by the rolling friction. The final objective is minimizing the thrusting roller chair maintenance.

During point throw-over the lifting roller chairs provide a gradual lift-up each of a point blade and smooth point blade movement along the guide rollers.

In both end positions (opened and closed) the point blades always remain in a direct contact with slide chairs (very tight).

The lifting roller chairs are placed in the field between sleepers where the external mounting or their exchange is easy and the cleaning and the maintenance quite convenient.

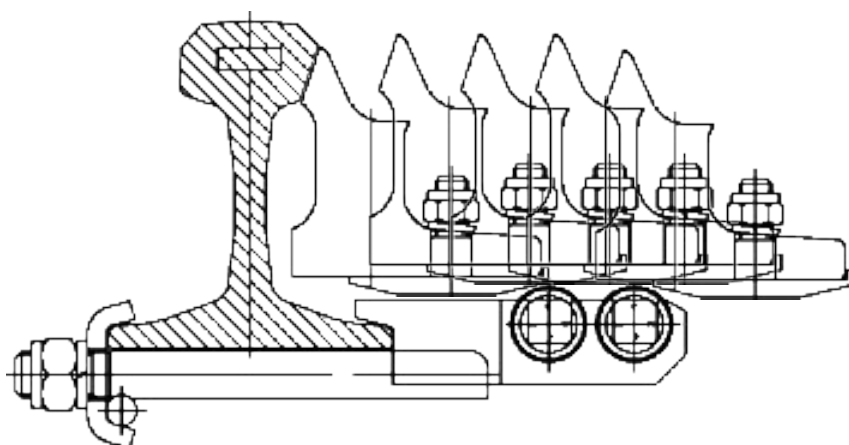
### Basic Technical Description

Lifting roller chairs are preferably manufactured for UIC 60, UIC 54, S 49 and R 65 superstructure set.

Lifting roller chairs of points are manufactured in the following variants:

- Twin rollers, designed for mounting into the field between sleepers and for points with at least 145 mm point blade opening
- Single roller, designed for mounting into the field between sleepers and for points with at least 90 mm point blade opening. This corresponds with hump railyard points.

Roller height can be regulated by 1 mm and within the 3 mm range.



Lifting roller chair scheme



### Basic Technical Parameters

Weight	3,7 kg (hump 3,3 kg)
Working temperature range	-40 °C to +70 °C



*Lifting roller chair in open point blade position*



*Lifting roller chair in close point blade position*