



PointSWing VSD

Thrusting roller chair

- Simple thrusting the closed point blade to the stock rail
- Easy installation
- Minimum maintenance
- High resistance against railway environment



GENERAL DESCRIPTION

The thrusting roller chair PointSWing VSD (further VSD) is designed for thrusting the closed point blades to the stock rail with the clearance not exceeding 5 mm at train speeds of up to 90 kmph and 2–3 mm at higher speeds.

The throw-over of point blades is influenced by the passive friction forces originated on slide rollers.

VSD basic function it to thrust the closed point blade towards the stock rail, keep it in this end position and compensate those friction forces.

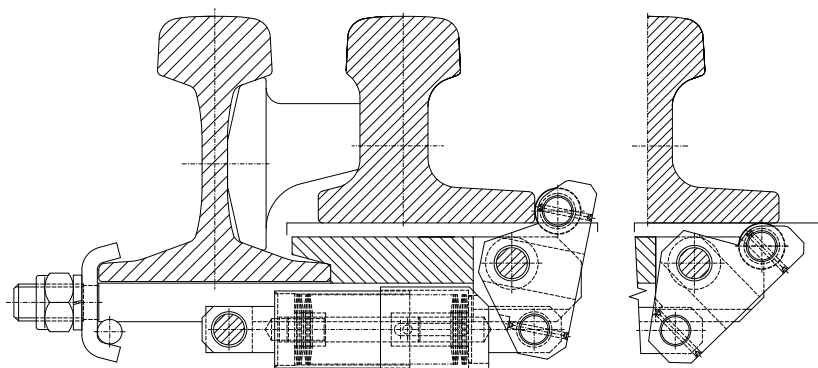
BASIC TECHNICAL DESCRIPTION

VSD consists of the thrusting jaw, the disc springs set and the double arm lever fitted by the swivel pulley. The spring pressure is applied through the lever and the swivel pulley and thrusts the point blade into the stock rail.

The applied force of VSD is approximately 1,8 kN.

In an opened point blade position the swivel pulley is pushed under the flange of blade. VSD is mounted to the stock rail by the thrusting jaw, two bolts, stirrups and secured by safety nuts and spring washers.

VSD is designed for any types of superstructure. The rotating parts are equipped by self-lubricating bearings and placed on pegs made of a stainless steel.





BASIC TECHNICAL PARAMETERS

Temperature range	-40 °C to +70 °C
Weight	approx. 13 kg

