

Single-point tramway switches



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Single-point tramway switches are made for right and left branching and can be used as trailing or facing. They are constructed for use in the most demanding conditions of tramway depots and tracks.

They guarantee a high degree of passage safety, quiet function, are ecologically harmless and feature a long lifetime with minimum demands for maintenance.

Securing:

- in cooperation with the facing or trailing direction setting system, an automated or manual resetting of the switch blades into the required direction and thus a safe tramway train passage in the straight or branching direction,
- the switch construction enables the use of modern, unified setting devices with the setting and checking rod.

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Application:

Single-point tramway switches are used to allocate tram sets to the appropriate track, especially in special track structures such as harps in depots.

Description:

The single-point switches are manufactured for the profile of grooved rails required by the customer (NT1, 60R2, 60R1, 59R2, 59R1 ...). The basis of a single-point switch is a weldment made of slab steel R260 (R260V, other grades if applicable) with full-head rails NT (73C1, or rails of a different profile). The weldment is milled on CNC machining centers with recesses for the changeable blade and corresponding groove courses. The changeable blade is made of rail material or abrasion-resistant materials (e.g. Dillidur 400 and others) and is fixed in the exchange with a self-clamping wedge. The fixing self-clamping wedge is secured against accidental loosening by a screw connection. A non-blade half is standardly manufactured as a weldment made of special profiles or forgings, subsequently machined on CNC centers. The half switch with the blade is heated.

Technical parameters:

Track gauge:	according to the customer's needs (1435, 1000, 1067, 1524mm ...).
Rail profile:	according to the customer's requirement (NT1, 60R2, 60R1, 59R2, 59R1 ...).
Branching radius:	standard R 20, 25, 30, 50m and or another, depending on the customer's needs.



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