

Tramway crossing

Pražská strojírna a.s. produces and delivers rail crossings, complete tramway crossovers, crossing of the tramway track with a railway siding and other special rail constructions for the travel of tramway trains according to the customer's requirements (Czech national standards and regulations, German VDV standards, Swedish Bandstandard Göteborg and others).



Special frog rail



Rail crossing in the production hall



Tramway crossing

Securing:

- tramway crossings are at the places of crossings of individual tramway tracks and at the places of the rail track branching
- the tramway crossings are formed by standard or nonstandard turnouts, rail crossings and other elements of tramway tracks
- tramway crossings secure safe passage of tramway trains through the branching of rail tracks
- when designing constructions and during their production, Pražská strojírenská a.s. uses standardized and nonstandard elements of rail tracks in such a manner that all the customer's requirements and requirements for the operational safety are fulfilled



A special sandwich frog with the functional part of wear-resistant sheet metal HARDOX® 450.



Double tramway crossing in the city of Liberec



Tramway switch in the container

Description:

As the basic material for the production of tramway rail crossings, groove rails of the NT1, NT3, Ri60, Ri60N, Ri59, Ri59N, Ri57, Ri55N, Ri53N, RiPh37 profiles are used, and also other profiles depending on the customer's requirements. The quality of the rails used is defined by the customer (UIC 700, UIC 900, hard metal quality HSHM, etc.). For the production of rails with a shallow or narrowed groove, NT, Vkr60 or D180/105 facing rails are used in the UIC 800 quality. For the production of frog rails, the BI 180/260 profile is used in the UIC 800 quality as a standard. In accordance with the German VDV standards, the use properties of the used rails can be improved with hard overlays or, as the case may be, another hardening treatment.

Thanks to its own applied research, Pražská strojírna a.s. can also solve special and demanding customer's requirements. As an example, let us mention the use of special Swedish abrasion resistant steel sheets HARDOX® for the production of frog rails for extremely exposed areas.

For the production of crossings and crossroads, Pražská strojírna a.s. uses its own standard and nonstandard turnouts and switches and switch systems, heating of turnouts, drainage of tramway tracks, expansion rails, transition rails, etc. Rail constructions are welded in accordance with approved technologies. The technical specification of a rail construction forms an inseparable part of its definition (courses and shapes of grooves in crossings, production clearances, inspection, description of the rail construction, transport units, documentation for a customer supplied together with the product, etc.).

Pražská strojírna a.s. also carries out guarantee and post-guarantee services for all its products upon agreement.

Technical parameters:

track gauge	according to the customer's needs (1,435, 1,000, 1,600, 1,524 mm...)
rail profile	according to the customer's requirement (Ri60, Ri60N, Ri59, Ri59N, NT1, NT3, RiPh37, NP4...)



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