

Tournouts with a curved section in the branching direction



Pražská strojirna a.s.



+420 284 810 852



info@pstroj.cz



www.pstroj.cz

Tramway turnouts 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 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.

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Description:

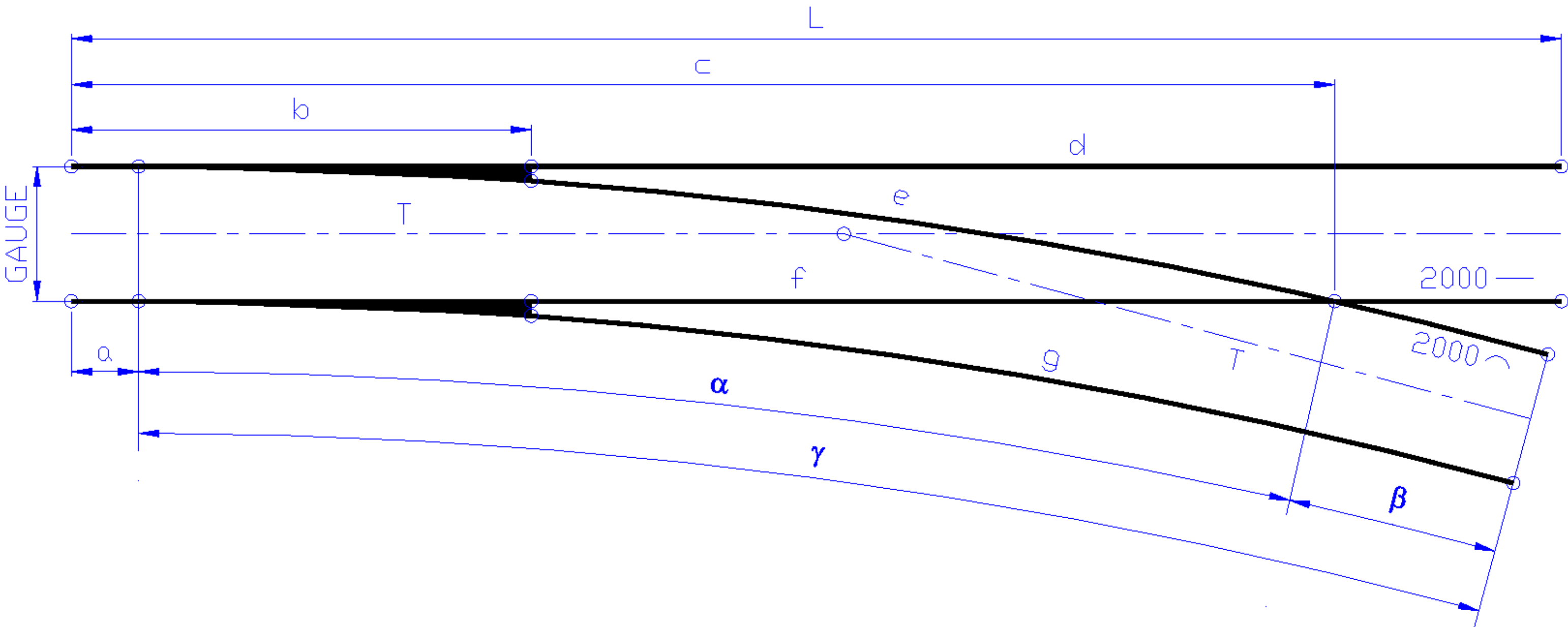
The switches are made of grooved rails of the profile required by the customer (60R2, 60R1, 59R2, 59R1 ...). The switch is a standard construction in accordance with VDV regulations. The grooved part is made of a weldment from the frog (profile 310C1 of quality R220G1 or other required quality) and welded rail parts (full-head rails 73C1, 105C1 of the required quality) with milled height and side ramps. The retaining grooved rails located in the gauge opposite the frog are made of lead rail 73C1 or the relevant rail required by the customer.

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, 50, 100 a 150m and or another, depending on the customer's needs.

	R = 20 m		R = 25 m		R = 30 m		R = 50 m		R = 100 m		R = 150 m	
Rail	60R2, 60R1, 59R2, 59R1		60R2, 60R1, 59R2, 59R1		60R2, 60R1, 59R2, 59R1		60R2, 60R1, 59R2, 59R1		60R2, 60R1, 59R2, 59R1		60R2, 60R1, 59R2, 59R1	
Gauge	1000	1435	1000	1435	1000	1435	1000	1435	1000	1435	1000	1435
L	8825	10076	9571	10970	9746	11279	12000	13979	16142	18941	19320	22748
v *	500	500	500	500	500	500	350	350	200	200	0	0
α	17° 58' 11,2"	21° 27' 01,2"	16° 05' 56,2"	19° 13' 49,6"	14° 42' 44"	17° 34' 56"	11° 25' 16,3"	13° 39' 43,1"	8° 05' 21,7"	9° 41' 00"	6° 36' 31"	7° 54' 46"
	19,96642 g	23,8337 g	17,88771 g	21,36716 g	16,3470 g	19,5359 g	12,69022 g	15,17997 g	8,98818 g	10,75926 g	7,3429 g	8,7919 g
β	5° 35' 23,4"	5° 31' 52,1"	4° 29' 37,6"	4° 27' 21"	3° 45' 25,6"	3° 43' 49,8"	2° 16' 08,9"	2° 15' 33,9"	1° 08' 24,8"	1° 08' 16"	0° 45' 41"	0° 45' 37"
	13,0589 g	13,2062 g	4,99309 g	4,95093 g	4,17456 g	4,1450 g	6,4305 g	6,4589 g	4,4787 g	4,4885 g	0,8460 g	0,8448 g
γ	23° 33' 34,6"	26° 58' 53,3"	20° 35' 33,8"	23° 41' 10,6"	18° 28' 12"	21° 18' 48"	13° 41' 25,2"	15° 55' 17"	9° 13' 46,5"	10° 49' 16"	7° 22' 12"	8° 40' 23"
	13,0589 g	13,2062 g	22,88080 g	26,31809 g	20,5223 g	23,6816 g	6,4305 g	6,4589 g	4,4787 g	4,4885 g	8,1889 g	9,6367 g
a	500	500	500	500	0	0	0	0	0	0	0	0
b	4500	4500	4500	4500	4000	4000	5000	5000	7000	7000	8500	8500
c	6825	8076	7571	8970	7746	9279	10000	11979	14142	16941	17320	20748
d	4325	5576	5071	6470	5746	7279	7000	8979	9142	11941	10820	14248
e	2430	3756	3165	4632	3831	4526	5067	7093	7189	10022	8859	12315
f	2325	3576	3071	4470	3746	5279	5000	6979	7142	9941	8820	12248
g	4018	5080	4805	6038	5509	6892	6828	8695	9028	11751	10730	14097
T	4171	4798	4542	5242	4878	5645	6002	6992	8072	9471	9661	11375

v * is only in case of using electric heating according VDV



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