

Tramway block turnouts

Tramway block 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.

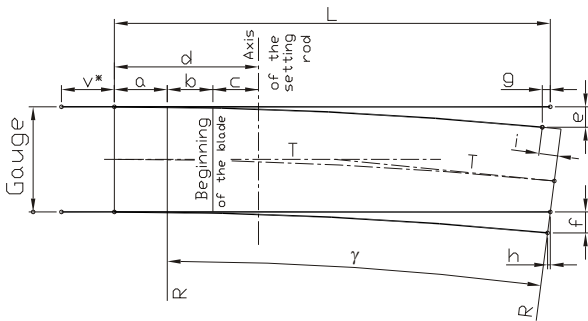
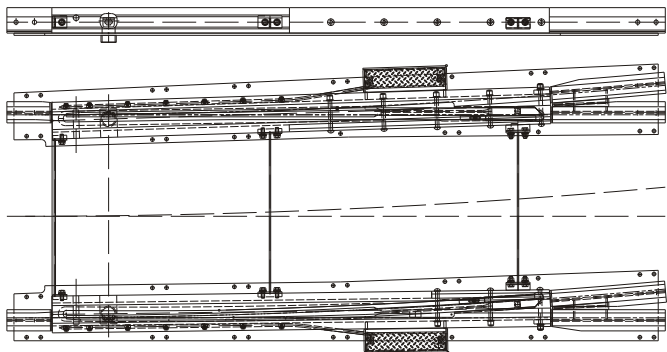


R50m Block switch with built-in turnout system

Securing:

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

Tramway block turnouts



	R = 20 m				R = 25 m		R = 30 m			R = 50 m				R = 100 m		R = 150 m	
Rail	Ri59, Ri59N, Ri60, Ri60N		NT1, NT3		Ri59, Ri59N, Ri60, Ri60N		Ri59, Ri59N, Ri60, Ri60N			Ri59, Ri59N, Ri60, Ri60N		NT1, NT3		Ri59, Ri59N, Ri60, Ri60N, NT1, NT3		Ri59, Ri59N, Ri60, Ri60N, NT1, NT3	
Gauge	1000	1435	1000	1435	1000	1435	1000	1435		1000	1435	1000	1435	1000	1435	1000	1435
L	4500	4500	3400	3400	4500	4500	4000	4000		5000	5000	4660	4660	7000	7000	8500	8500
v *	500	500	0	0	500	500	500	500		350	350	0	0	200	200	0	0
γ	11° 45' 11"	53' 08"	9° 45' 18"	9° 45' 18"	9° 21' 16"	9° 26' 18"	7° 46' 06"	7° 49' 36"		5° 47' 14"	5° 48' 48"	5° 16' 25"	5° 16' 25"	4° 01' 51"	4° 02' 23"	3° 15' 27"	3° 15' 44"
	13,0589 g	13,20 62 g	10,8390 g	10,83 90 g	10,39 38 g	10,48 69 g	8,632 2 g	8,896 3 g		6,430 5 g	6,458 9 g	5,859 5 g	5,859 5 g	4,4787 g	4,4885 g	3,6196 g	3,6249 g
a	500	500	130	130	500	500	0	0		0	0	130	130	0	0	0	0
b	0	0	280	280	0	0	400	400		650	650	280	280	800	800	1000	1000
c	500	500	310	310	500	500	400	400		350	350	310	310	400	400	400	400
d	1000	1000	720	720	1000	1000	800	800		1000	1000	720	720	1200	1200	1400	1400
e	389	385	259	259	313	311	262	260		247	247	203	203	243	243	240	240
f	409	413	279	279	326	329	271	273		253	253	209	209	246	246	242	242
g	25	25	7	7	16	16	11	11		8	8	3	3	6	6	4,5	4,5
h	28	29	3	3	18	18	12	12		9	9	0	0	6	6	4,5	4,5
i	205	298	244	244	163	236	166	196		101	145	132	132	70	101	57	82
T	2059	2082	1707	1707	2045	2064	2037	2052		2527	2539	2303	2303	3519	3527	4255	4272

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

Description:

The turnout is made of grooved rails of the profile required by the consumer (NT1, NT3, Ri60, Ri60N, Ri59, Ri59N, Ph37, NP4...). Each turnout consists of two half-turnouts set into the track gauge by means of distance rods. The half-turnout is a weldment from the block rail of the BI 180/260 section with turnout ends from the facing rails of the required section and quality. There is a recess on the weldment for the changeable blade drilled at the machining CNC centres and the corresponding courses of grooves. The changeable blade is made of the rail material or abrasion resistant steel sheets; it is fastened in the block turnout with a self-locking wedge. After fastening the blade, the fastening self-locking wedge is secured against accidental loosening with a screw joint. The turnout is either welded on the underlay steel sheet 16 mm thick, by means of which the turnout is fastened to the sleepers, or it is provided with the underlay sheet. Both half-turnouts are heated by heaters that are screwed to the block turnout from the side, are replaceable and are laid in a stainless protector. Both half-turnouts are equipped with covering wedges that facilitate the turnout mount in the paving or in other surface modifications.

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
(NT1, NT3, Ri60, Ri60N, Ri59, Ri59N, Ph37, NP4...)
- branching radius
- standard 50 m or 100 m
and or another, depending on the customer's needs



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... all for the modern tramway track