

# Tramway turnouts with replaceable flexible blades

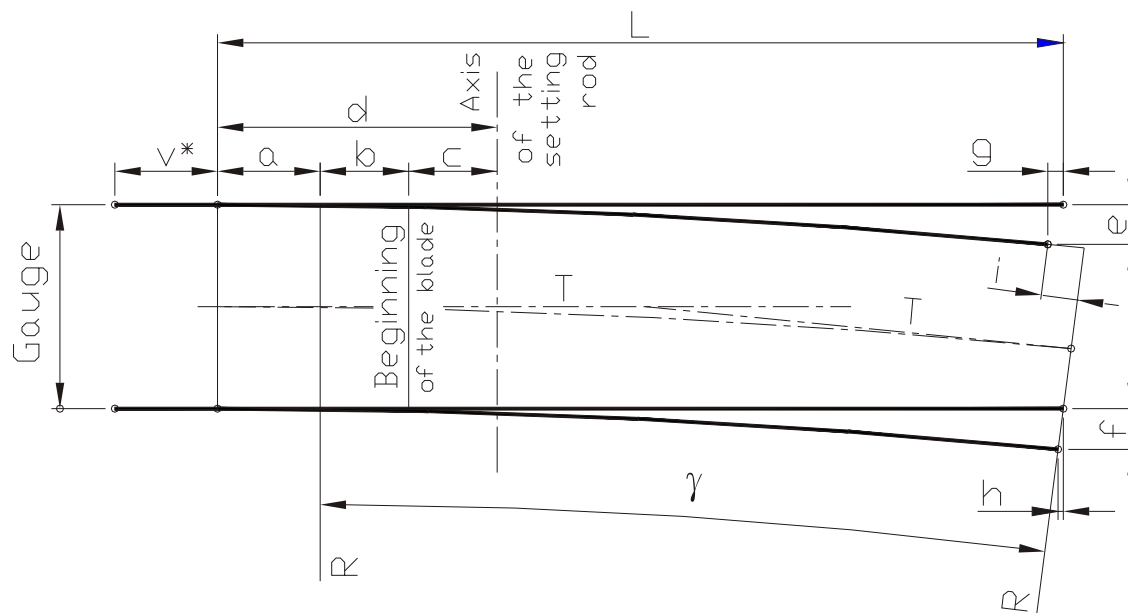
Tramway turnouts with replaceable flexible blades are made for right and left branching and can be used as trailing or facing. They are constructed for use in the most demanding conditions of tramway tracks. They guarantee a high degree of passage safety, quiet function, are ecologically harmless and feature a long lifetime with minimum demands for maintenance.



#### Securing:

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

# Tramway turnouts with replaceable flexible blades



Rail	R = 20 m				R = 25 m		R = 30 m		R = 50 m			
	Ri59, Ri59N, Ri60, Ri60N		NT1, NT3		Ri59, Ri59N, Ri60, Ri60N		Ri59, Ri59N, Ri60, Ri60N		Ri59, Ri59N, Ri60, Ri60N		NT1, NT3	
Gauge	1,000	1,435	1,000	1,435	1,000	1,435	1,000	1,435	1,000	1,435	1,000	1,435
L	4,500	4,500	3,400	3,400	4,500	4,500	4,000	4,000	5,000	5,000	4,660	4,660
v*	500	500	0	0	500	500	500	500	350	350	0	0
γ	11° 45' 11"	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"
	13.0589 g	13.2062 g	10.8390 g	10.8390 g	10.3938 g	10.4869 g	8.6322 g	8.8963 g	6.4305 g	6.4589 g	5.8595 g	5.8595 g
a	500	500	130	130	500	500	0	0	0	0	130	130
b	0	0	280	280	0	0	400	400	650	650	280	280
c	500	500	310	310	500	500	400	400	350	350	310	310
d	1,000	1,000	720	720	1,000	1,000	800	800	1,000	1,000	720	720
e	389	385	259	259	313	311	262	260	247	247	203	203
f	409	413	279	279	326	329	271	273	253	253	209	209
g	25	25	7	7	16	16	11	11	8	8	3	3
h	28	29	3	3	18	18	12	12	9	9	0	0
i	205	298	244	244	163	236	166	196	101	145	132	132
T	2,059	2,082	1,707	1,707	2,045	2,064	2,037	2,052	2,527	2,539	2,303	2,303

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

## Description:

The turnout is made of tramway rails of the profile required by the consumer (NT1, NT3, Ri60, Ri60N, Ri59, Ri59N, Ph37, NP4 etc.). Both turnout blades (curved and straight) of the turnout can be replaced - for replacement, they are fastened with four M20x1.5 bolts and their position is secured with a tongue and groove connection; the bolt heads are secured against spontaneous release. The blades are made in UIC 900 quality or from abrasion-resistant manganese castings with 13% Mn. The weldments forming the basis of the turnout are welded to the underlay steel sheet along the entire length. The half-turnout rails (stock rails) are tightened to the sides of the frames and the underlay steel sheets with M24 bolts. The rail parts of the blades are tightened to the underlay steel sheets with M24 bolts and their position is fixed.

## Technical parameters:

track gauge according to the customer's needs (1,435, 1,000, 1,600, 1,524 mm etc.)  
rail profile according to the customer's requirements (NT1, NT3, Ri60, Ri60N, Ri59, Ri59N, Ph37, NP4 etc.)  
branching radius standard is 20 m, 25 m, 30 m and 50m or according to the customer's needs