



Standards of European Model Railroads  
**Cross-section of the Formation  
 for Standard Gauge Railroads**

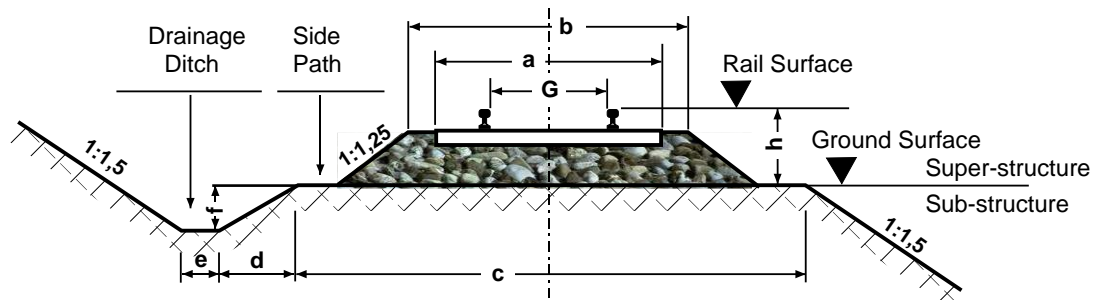
**NEM**  
**122**  
 1 Page

Recommendation

Dimensions in mm

**Edition 2007**  
 (First English Edition)

1. This standard contains guidelines for the cross-section of the formation of standard-gauge railroads. For the purposes of this standard, “sub-structure” and “super-structure” are meant in the railroad engineering sense.
2. The figure shows the regular cross-section of a single track with straight track. When depicting special terrain, e.g. rock formations or supporting walls, the cross-section of the sub-structure shown can be deviated from.



**Table of Measurements:**

Scale	Gauge G	a <sup>1)</sup>	b	c	d	e	f	h
Z	6.5	12	16	28	3	2	2	4
N	9	16	22	38	5	3	3	6
TT	12	22	28	50	7	4	5	8
H0	16.5	30	38	70	9	5	6	10
S	22.5	40	52	94	13	7	9	12
0	32	58	76	134	18	9	12	16
I	45	82	106	188	26	12	17	22
II	64	115	147	230	36	18	22	37

**Note:** <sup>1)</sup> Applies only to tracks with wooden sleepers.

3. In multiple track situations (Track spacing see NEM 112), a continuous roadbed may be installed. When adjacent tracks are within a station's boundaries, pathways (for railroad personnel) may be placed between tracks in the level of the sleeper's (tie's) surface.
4. Concerning super-elevation in curves see NEM 114.
5. Signals, overhead wire masts etc. may occupy the side path, however, the clearance of the clear area according to NEM 102 and NEM 103 must be observed.