

1. Rail Profiles

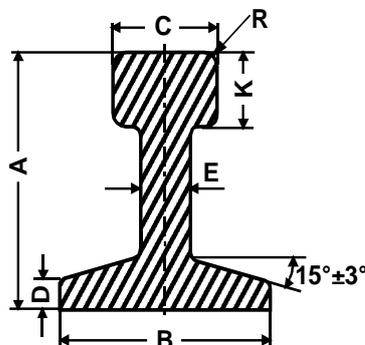


Table of Measurements

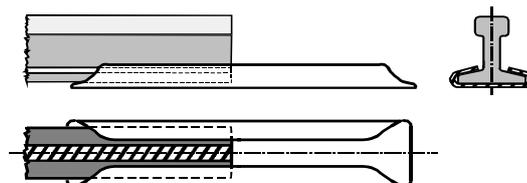
Profil ¹⁾	A ⁸⁾	B ²⁾	C ²⁾	Dmax	E ²⁾	K ²⁾	Rmax	Code ³⁾	Best used for Scale: ⁷⁾		
									⁴⁾	⁵⁾	⁶⁾
10	1.0 ^{+0.1}	0.9	0.5	0.2	0.3	0.35	0.1	40	Z	Z	Nm
14	1.4 ^{+0.1}	1.3	0.7	0.2	0.4	0.4	0.15	55	N, Z	TT, N, Nm	TTm/e, H0i
18	1.8 ^{+0.1}	1.6	0.8	0.25	0.4	0.5	0.15	70	H0, TT, N	H0, TTm	H0m/e, Si
20	2.0 ^{+0.2}	1.8	0.9	0.25	0.5	0.55	0.2	83	H0, TT	S, H0m	Sm/e, Oi
25	2.5 ^{+0.2}	2.2	1.1	0.3	0.6	0.6	0.2	100	S, H0	Sm	0e
30	3.0 ^{+0.2}	2.7	1.3	0.35	0.7	0.8	0.25	125		0	0m/e, li
35	3.5 ^{+0.3}	3.2	1.6	0.4	0.8	0.9	0.3		0	0m	le, lli
38	3.8 ^{-0.5}	3.4	1.7	0.5	0.9	0.9	0.25	148	0	I	Im/e
50	5.0 ^{+0.2-0.4}	4.5	2.3	0.6	1.2	1.3	0.4		I		llm, lle
63	6.3 ^{+0.7}	4.9	2.5	0.6	1.0	1.7	0.3	250		II	
70	7.0 ^{+0.7}	5.5	3.1	0.6	1.0	2.1	0.3		II		

Annotations:

- 1) The Profile shall be identified by a number that represents the height of the dimension A in mm multiplied times ten.
- 2) Recommended reference dimension.
- 3) Comparable to the NMRA profile code in accordance with RP 15.1.
- 4) For modeling modern mainlines.
- 5) For modeling mainlines from earlier eras and for branch lines and narrow gauge lines from Eras IV or later.
- 6) For modeling other narrow gauge lines.
- 7) If several profiles are listed for a single scale, the smaller profile should be used for new construction.
- 8) When choosing the height of rail and / or the fastening of rails enough space for the maximum flange height of the rolling stock must remain.

2. Rail Connectors

Rail connectors may take various forms; the figure shows a sample.



The connectors must provide a secure mechanical connection and guarantee a proper electrical connection when needed, while complying with all safety requirements.

The length of the connectors should be about four times the height of the rail.

Fixed connectors should be attached to the left rail (as viewed from the middle of the track section).