Recommendation **Measurements in mm** **1993 Edition** (22022008)

1. Rail Profile

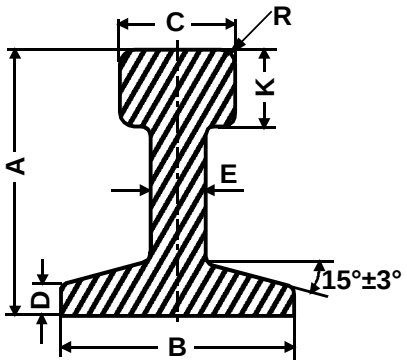


Table of Measurements

Nomenclature 1)	A 1)	B 2)	C 2)	D_{max}	E 2)	K 2)	R_{max}	Code 3)	Best used for Scale: 7) 4)	5)	6)
Profile 50	$5,0^{+0,3}$	4,5	2,3	0,6	1,2	1,3	0,4	208	I		
Profile 42	$4,2^{+0,3}$	3,8	1,9	0,5	1,0	1,1	0,35	172		I	Im/e
Profile 35	$3,5^{+0,3}$	3,2	1,6	0,4	0,8	0,9	0,3	148	0	0m	Ie
Profile 30	$3,0^{+0,2}$	2,7	1,3	0,35	0,7	0,8	0,25	125		0	0m/e, Ii
Profile 25	$2,5^{+0,2}$	2,2	1,1	0,3	0,6	0,6	0,2	100	S; H0	Sm	0e
Profile 20	$2,0^{+0,2}$	1,8	0,9	0,25	0,5	0,55	0,2	83	H0; TT	S, H0m	Sm/e, 0i
Profile 18	$1,8^{+0,1}$	1,6	0,8	0,25	0,4	0,5	0,15	70	TT, N	H0, TTm	H0m/e, Si
Profile 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
Profile 10	$1,0^{+0,1}$	0,9	0,5	0,2	0,3	0,35	0,1	40	Z	Z	Nm

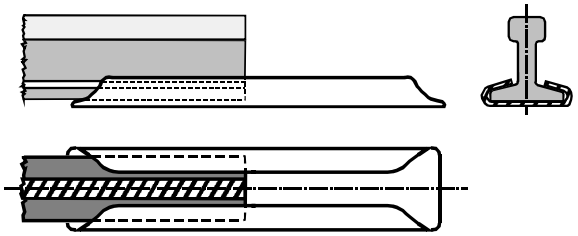
Notes

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 and V.
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.

For securing rails the dimension H from NEM 310 should be observed!

2. Rail Connectors

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



The connectors must provide a secure mechanical connection and guarantee a proper electrical connection 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).