# International Modelrailroad Scales

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| scale name | narrow | width mm | scale | Prototyp mm | Prototyp imperial | Area | Nem definition | issue 2017 July Comments |
|---|---|---|---|---|---|---|---|---|
| HOp | | 4.5 | 1:87 | Parkbahn | 15" | world wide | | |
| TTi | | 4.5 | 1:120 | 500 | | Europe | | |
| Ne | | 4.5 | 1:160 | 800 | | Europe | | |
| Zm | | 4.5 | 1:220 | 1000 | | Europe | | |
| ZZ | | 4.8 | 1:300 | 1435 | 4' 8.5" | Japan | | by Bandai, since 2005 |
| Sp | | 6.50 | 1:64 | Parkbahn | | world wide | | |
| HOi | | 6.50 | 1:87 | 500 | | Europe | NEM 400-650 mm | |
| TTe | | 6.50 | 1:120 | 800 | | Europe | NEM 650-850 mm | |
| Nm | x | 6.50 | 1:160 | 1000 | | Switzerland | NEM 850-1250 mm | |
| Z | x | 6.50 | 1:220 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| Z | x | 6.50 | 1:220 | 1435 | 4' 8.5" | USA | | |
| Op | | 9.00 | 1:45 | Parkbahn | 15" | world wide | | |
| Si | | 9.00 | 1:64 | 500 | | Europe | NEM 400-650 mm | |
| OO-9 | | 9.00 | 1:76.2 | 686 | 2.5" | UK | | |
| HOn2 1/2 | x | 9.00 | 1:87 | 762 | 2.5" | America | | |
| HOn30 | x | 9.00 | 1:87 | 762 | 30" | America | | |
| HOe | x | 9.00 | 1:87 | 800 | | Europe | NEM 650-850 mm | |
| TTm | | 9.00 | 1:120 | 1000 | | Europe | NEM 850-1250 mm | |
| N | x | 9.00 | 1:148 | 1435 | 4' 8.5" | UK | | |
| N | x | 9.00 | 1:150 | 1067 | 3' 6" | Japan | | cape gauge. Carl Abraham Pihl (Nor) |
| N | x | 9.00 | 1:160 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| N | x | 9.00 | 1:160 | 1435 | 4' 8.5" | America | | |
| Sn2 | x | 9.53 | 1:64 | 610 | 2" | USA | | |
| OOO | | 9.50 | 1:152 | 1435 | 4' 8.5" | UK old | | |
| HOn3 | x | 10.50 | 1:87 | 915 | 3" | America | | |
| Ip | | 12.00 | 1:32 | parkbahn | 15" | world wide | | |
| Oi | | 12.00 | 1:45 | 500 | | Europe | NEM 400-650 mm | |
| Se | | 12.00 | 1:64 | 800 | | Europe | NEM 650-850 mm | |
| OO-12 | | 12.00 | 1:76.2 | 914 | 3" | UK | | |
| HOm | | 12.00 | 1:87 | 1000 | | Europe | NEM 850-1250 mm | |
| HO1067 | | 12.00 (12.2) | 1:87 | 1067 | 3' 6" | Japan | | cape gauge. Carl Abraham Pihl (Nor) |
| TT3 | | 12.00 | 1:101.6 | 1435 | 4' 8.5" | UK | | old UK TT |
| TT | x | 12.00 | 1:120 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| WESA | | 13.00 | 1:100 | 1435 | 4' 8.5" | Switzerland | | Swiss manufacturer |
| SJn | | 13.00 | 1:64 | 600-900 | 2" - 3" | Japan | | narrow gauge |
| Sn3 | x | 14.29 | 1:64 | 914 | 3" | America | | |
| Ii | | 16.50 | 1:32 | 500 | | Europe | NEM 400-650 mm | |
| Oe | | 16.50 | 1:45 | 800 | | Europe | NEM 650-850 mm | |
| On2 1/2 | | 16.50 | 1:48 | 762 | 2.5" | USA | | |
| On30 | x | 16.50 | 1:48 | 762 | 30" | USA | | 30 inch. simular to 2 foot |
| F | | 16.50 | 1:55.4 | 915 | 3" | UK | | |
| Sm | | 16.50 | 1:64 | 1000 | | Europe | NEM 850-1250 mm | cape gauge. Carl Abraham Pihl (Nor) |
| SJ | | 16.50 | 1:64 | 1067 | 3' 6" | Japan | | |
| 4.0/ft | | 16.50 | 1:76.2 | 1435 | 4' 8.5" | UK | | (4 mm to the foot) |
| HOJ | | 16.50 | 1:80 | 1067 | 3' 6" | Japan | | cape gauge. Carl Abraham Pihl (Nor) |
| HO | x | 16.50 | 1:87 | 1435 | 4' 8.5" | America | | |
| HO | x | 16.50 | 1:87 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| 3.5/ft | | 16.50 | 1:87 | 1435 | 4' 8.5" | UK | | (3.5 mm to the foot) |
| Em | | 18.00 | 1:76 | 1435 | 4' 8.5" | UK | | |
| EEM | | 18.20 | 1:76.2 | 1435 | 4' 8.5" | UK | | |
| Proto 4 | | 18.80 | 1:76.2 | 1435 | 4' 8.5" | UK | | |
| OO | | 19.00 | 1:76.2 | 1435 | 4' 8.5" | UK (some USA) | | |
| On3 | x | 19.06 | 1:48 | 914 | 3" | USA | | also called On36 (36" = 3') |
| Iii | | 22.50 | 1:22.5 | 500 | | Europe | NEM 400-650 mm | |
| Om | | 22.20 | 1:45 | 1000 | | Switzerland | NEM 850-1250 mm | |
| C-D | | 22.20 | 1:64 | 1435 | 4' 8.5" | Canada | | 3/16" to 1'.old Scale.ORS 115 |
| S | | 22.50 | 1:64 | 1435 | 4' 8.5" | America | | |
| S | | 22.50 | 1:64 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| Ie | x | 22.5-23.4 | 1:32 | 800 | | Europe | NEM 650-850 mm | old Hübner |
| OJ | x | 24.00 | 1:45 | 1067 | 3' 6" | Japan | | cape gauge. Carl Abraham Pihl (Nor) |
| O | | 24.00 | 1:43 | 1435 | 4' 8.5" | UK old | | old UK |
| P:48 | | 29.90 | 1:48 | 1435 | 4' 8.5" | America | | Correct Ratio |
| Proto48 | | 29.90 | 1:48 | 1435 | 4' 8.5" | America | | |
| A | | 29.90 | 1:48 | 1435 | 4' 8.5" | America | | AAR. early Prot:48. |
| Q | | 29.90 | 1:48 | 1435 | 4' 8.5" | America | | early Proto:48 |
| Fn2 | | 30.00 | 1:20.32 | 610 | 2" | USA | | |
| IIe | | 32.00 | 1:22.5 | 800 | | Europe | NEM 650-850 mm | |
| Im | | 32.00 | 1:32 | 1000 | | Europe | NEM 850-1250 mm | |
| 7.0/ft | x | 32.00 | 1:43.5 | 1435 | 4' 8.5" | UK | | (7 mm to the foot) |
| O | x | 32.00 | 1:43.5 | 1435 | 4' 8.5" | Europe | | some also in Switzerland |
| O | x | 32.00 | 1:45 | 1435 | 4' 8.5" | Switzerland | NEM 1250-1700 mm | |
| O | x | 32.00 | 1:48 | 1435 | 4' 8.5" | America | | |
| Fn2.5 | | 37.50 | 1:20.32 | 762 | 2.5" | USA | | |
| IVi | | 45.00 | 1:11 | 500 | | Europe | NEM 400-650 mm | |
| IIIe | | 45.00 | 1:16 | 800 | | Eoupe | NEM 650-850 mm | |
| IIIi | | 45.00 | 1:16 | 500 | | Europe | NEM 400-650 mm | |
| Fn3 | x | 45.00 | 1:20.32 | 914 | 3" | USA | | |
| G | | 45.00 | 1:22.5 | 914 | 3" | America | | 3 Foot. in Europe IIm.1000mm |
| G | | 45.00 | 1:22.5 | 1000 | | America | | in Europe IIm |
| IIm | | 45.00 | 1:22.5 | 1000 | | Europe | NEM 850-1250 mm | in USA G scale, 3 foot |
| I | x | 45.00 | 1:32 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| I | x | 45.00 | 1:32 | 1435 | 4' 8.5" | America | | |
| Fm | | 49.50 | 1:20.32 | 1000 | | Europe | NEM 1250-1700 mm | rare |
| Vi | | 64.00 | 1:8 | 500 | | Europe | NEM 400-650 mm | |
| IVe | | 64.00 | 1:11 | 800 | | Europe | NEM 650-850 mm | |
| IIIm | | 64.00 | 1:16 | 1000 | | Europe | NEM 850-1250 mm | |
| II | | 64.00 | 1:22.5 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| F | | 70.64 | 1:20.32 | 1435 | 4' 8.5" | USA | | |
| Vii | | 89.00 | 1:5.5 | 500 | | Europe | NEM 400-650 mm | |
| Ve | | 89.00 | 1:8 | 800 | | Europe | NEM 650-850 mm | |
| IVm | | 89.00 | 1:11 | 1000 | | Europe | NEM 850-1250 mm | |
| III | | 89.00 | 1:16 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| VIe | | 127.00 | 1:5.5 | 800 | | Europe | NEM 650-850 mm | |
| Vm | | 127.00 | 1:8 | 1000 | | Europe | NEM 850-1250 mm | |
| IV | | 127.00 | 1:11 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | |
| VIm | | 184.00 | 1:5.5 | 1000 | | Europe | NEM 850-1250 mm | |
| V | | 184.00 | 1:8 | 1435 | 4' 8.5" | Europa | NEM 1250-1700 mm | |
| VI | | 260.00 | 1:5,5 | 1435 | 4' 8.5" | Europa | NEM 1250-1700 mm | |
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| | | | | | | | | **Life Steam** |
| SE \| 7/8 | | 45 | 1:13.75 | 2' | | USA | | life steam. Maine 3 footer |
| wide | | 50.8 | 1:28.25 | | | UK | | early Gauge 2 |
| wide | | 53.975 | 1:26.59 | | | USA | | Lionel standard Gauge |
| 2 1/2 | | 63 | 1:24 | various | | world wide | | mainly UK |
| 3 1/2 | | 89 | 1:16 | various | | world wide | | 3 gauge in Europe |
| 4 3/4 | | 121 | 1:12 | various | | USA | | life steam |
| 5 | | 127 | 1:12 | various | | Europe | | life steam |
| 7 1/4 | | 184 | 1:8 \| 1.5" | various | | world wide | | life steam |
| 7 1/2 | | 190.5 | 1:8 \| 1.5" | various | | world wide | | life steam western USA |
| Grand | | 254 + | 1:4 + | various | | USA | | Grand Scale |
| | | | | | | | | **old scales** |
| HZ | | 3.25 | 1:440 | 1435 | 4' 8.5" | Railex 1992 | | |
| K | | 8.00 | 1:180 | 1435 | 4' 8.5" | Germnay old | | |
| OOe | | 8.00 | 1:76 | 600 | | Germnay old | | |
| HHO | | 8.25 | 1:174 | 1435 | 4' 8.5" | Sweden old | | |
| OOC | | 14.30 | 1:100 | 1435 | 4' 8.5" | USA old | | |
| H1 (old S) | | 22.50 | 1:64 | 1435 | 4' 8.5" | USA | | old S |
| H1 (old S) | | 22.50 | 1:64 | 1435 | 4' 8.5" | Europe | NEM 1250-1700 mm | old S |
| An2 | | 22.50 | 1:29 | 610 | 2" | USA old | | |
| An3 | | 32.00 | 1:29 | 914 | 3" | USA old | | |
| An3 1/2 | | 37.50 | 1:29 | 1067 | 3' 6" | USA old | | cape gauge. Carl Abraham Pihl (Nor) |
| Mn2 | | 45.00 | 1:13..5 | 610 | 2" | USA old | | |
| A | | 49.50 | 1:29 | 1435 | 4' 8.5" | USA old | | |
| II | | 51.00 | 1:27 | 1435 | 4' 8.5" | Europe | | old II. no longer used |
| M | | 106.00 | 1:13..5 | 1435 | 4' 8.5" | USA old | | |
| | | | | | | | | **other scales** |
| Show10 | | 143.50 | 1:10 | 1435 | 4' 8.5" | Europe | | used for Show Models |
| Show20 | | 71.75 | 1:20 | 1435 | 4' 8.5" | Europe | | used for Show Models |

table by track width

| 4.5 | 6.5 | 9 | 9.5 | 10.5 | 12 | 13 | ~14 | 16.5 | ~18 | ~19 | ~22 | ~24 | 29.9 | 32 | 45 | 64 | others |
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