International Modelrailroad Scales

scale name	new	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		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	x	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		Euope	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	
								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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