

## TT Scale is a Model Railroading scale of 1:120

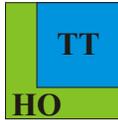
In other words, one inch of a model is the equivalent of 120 inches in the full sized item, the "prototype". As there are twelve inches in one foot, one inch of the model equals ten feet of the prototype.

### TT Scale is 73% the size of HO Scale.

If you took an HO-Scale layout and shrunk it down to TT-Scale it would only take 54% of the space.

If you built a TT-Scale layout in the same space as an HO-Scale layout you could put a lot more TT-Scale in the same space.

Conversely if you built the same layout in the same space (same track plan with no changes) you would gain more scenic space.



## Some Common Dimensions in TT Scale:

**One Foot: .1" (2.54mm)**

**Track gauge: 0.472 in. (12mm)**

Standard Gauge of 4 ft 8 1/2 in. (1435mm)

**Average Persons Height -**

**Man: 0.575 in. (14.60mm)**

(Average Height of 5'9")

**Woman: 0.533in. (13.54mm)**

(Average Height of 5'4")

**Length of a GP-7 Locomotive: 5.617in.**

(142.67mm) (Length 56ft, 2in.)

**Length of a 40' Box Car: 4 inches.**

(101.25mm)

**Parallel Track Spacing: 16 Feet - 1.6**

**inches. (40.7mm).** European model track

tends to be spaced at 43mm (17 feet).



## A short list of TT Scale Manufacturers and Suppliers:

### Euro Train Hobby

Sells TT Scale Track, rolling stock, spare parts, spare parts, and building kits.

[www.eurotrainhobby.com](http://www.eurotrainhobby.com)

### Gold Coast Railway Co.

Sells TT Scale Rolling Stock both Ready to Run (RTR) and kits. Also sells parts, including assembled freight trucks and wheels.

[www.goldcoastrailway.com](http://www.goldcoastrailway.com)

### Mini-Things

Makes and sells resin kits of U.S. Prototype Autos in TT Scale, as well as detail parts and rolling stock kits.

[www.mini-things.com/index.html](http://www.mini-things.com/index.html)

### Worsley Works

Makes North American Prototype Switcher Shells and 8 wheel steam locomotive chassis kits.

[www.worsleyworks.co.uk/index.htm](http://www.worsleyworks.co.uk/index.htm)

### Tillig

Makes an extensive selection of European equipment and track.

<http://www.tillig.com/index-engl.htm>

### Modellbahnwelt24

A good European source of TT Scale models.

[www.modellbahnwelt24.de/Startpage](http://www.modellbahnwelt24.de/Startpage)

### Shapeways

A good Rapid Prototyping (3d Printing) Service.

<http://www.shapeways.com>

# What is TT SCALE 1:120



Lionel GP9 with Gold Coast Box cars.



Tillig class 109 with gondola.

## Table Top Trains TT Scale on the Web:



[www.ttnut.com](http://www.ttnut.com)

### A Short History of TT-Scale:

TT Scale was created in the early 1940's by Hal Joyce, an automobile designer. World War Two postponed many civilian projects; the introduction of TT-Scale was one of them. Hal Joyce formed HP Products in 1945, and began advertising and selling in 1946.

In a short period, other firms got into selling TT-Scale items. Some of these companies included Kemtron, Atlas, Jewel, Craftsman-Kits, and Gandy Dancer. TT was quite popular in the 50's.

TT-Scale took off in Europe, Germany and Britain, in particular, as well as Russia. New models from Europe and Russia can be bought from a number of makers today.

TT-Scale was eclipsed by N Scale (also known as OOO Scale) in the 1960's. Soon after many of the companies that sold TT products either went out of business or shifted to other scales.

TT-Scale is undergoing a resurgence, due to the availability of equipment that allows individuals to easily make affordable resin kits. The new Rapid Prototyping process (3D Printing) has allowed production of cars, scenic details and locomotive shells at a reasonable price.

TT-Scale has been called "the scratch builders scale". This term was first used because TT scaled out to 1/10th inch, or one inch equaled 10 feet. Today it is called "the scratch builders scale" because you have to scratch build almost everything for it, although TT trains are widely available in Europe.

There are several modular standards:

Large Modules: <http://www.ttnut.com/tt-nut-module-standards-t202.html>

Mini Modules: TT-Tracks: [www.tinyurl.com/TT-Tracks](http://www.tinyurl.com/TT-Tracks).

And a Polish standard standard: "sTTandard" <http://www.standard.org.pl/> (Google will Translate)

### Comparisons between HO, TT and N

	Scale	Gauge	Scale Foot
HO	1:87	0.650 in.	0.138 in.
		16.5mm	3.5mm
TT	1:120	.472 in.	0.100 in.
		12.0mm	2.54mm
N	1:160	0.354 in.	0.075 in.
		9.0mm	1.9mm

TT-Scale is roughly mid-way between HO and N Scales, and as such allows more track in the same amount of space as HO Scale. The larger models are easier to work with and detail than N Scale.

Comparison Between N, TT and HO  
Top: N-Scale F-7  
Middle: TT-Scale F3  
Bottom: HO-Scale F-7



Below (Top to Bottom): HO, TT, N



### TT Scale FAQ

#### (Frequently Asked Questions)

**What does the "TT" in TT scale stand for?**  
TT stands for Table Top, which refers to the ability to build a complete layout on a Table Top, although one could use more or less space to build a layout.

#### What are the power requirements for TT-Scale?

TT-Scale motors are all 12 Volt DC (Direct Current). DC Power packs for HO and N scale will work for TT-Scale, as the voltage requirements for all three scales are the same. DCC also works well with TT-Scale. There are many small DCC decoders that work well in TT-Scale.

#### Where can I buy TT-Scale equipment?

There are many places to buy TT-Scale items, including eBay. A short list of places to buy TT-Scale items is on the back of this pamphlet. A list of manufacturers and stores can be found under the "links" section of [www.TTnut.com](http://www.TTnut.com).

#### What about track?

Tillig makes both a standard and a unitrack style of track. Older track comes available from time to time. HOm track can be used in a pinch. Hand laying is an option.

#### What equipment is available?

A large amount of European equipment is available from many manufacturers large and small. North American equipment is harder to find.

**Are there any TT-Scale Groups that I can join?**  
Yes, there are a few online groups out there, all one needs is computer access and an interest in TT Scale!

[www.TTnut.com](http://www.TTnut.com) - FREE website filled with info on TT Scale, past, present, and future, with discussion forums, media, and links to TT builders and sellers.

[www.TTscale.com](http://www.TTscale.com) - FREE website filled with photos, data, and links to TT scale retailers.  
TT Scale Society: FREE TRIAL MEMBERSHIP

[http://groups.yahoo.com/group/TT\\_Scale\\_Society/](http://groups.yahoo.com/group/TT_Scale_Society/)  
- For serious modelers of North American Railroads in TT Scale. Great for the scratch-builder in TT Scale.