

**SCALE:
RATIO:**

G Scale
(1:22.5)



==== 1 3/4" ====
45mm

O Scale
(1:48)



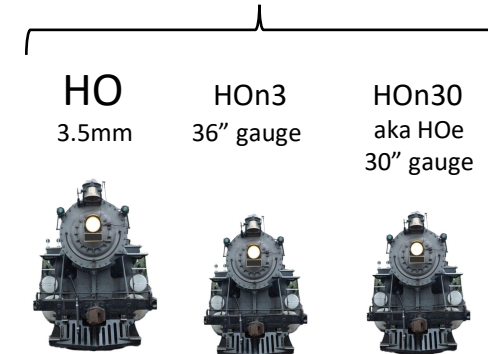
==== 1 1/4" ==== ==== 3/4" ==== ==16.5mm==
HO-gauge track

S Scale
(1:64)



==== 7/8" ====

HO Scale
[Half-O]
(1:87)



16.5mm 10.5mm 9mm
About 5/8" N gauge track

N scale
(1:160)



9mm

Z scale
(1:220)



6.5mm

**Track
gauge:**

Notes:

- Gauge refers to the distance between the inside of the rails of the track. In America, the full-size standard is 4' 8 1/2" (56.5").
- **Standard Gauge** = Between 1907 and 1933, Lionel built trains in various scales running on rails 2 1/8" apart.
- 1 gauge = 1.75" or 45mm. 1 Gauge standard = 1:32 scale. **G**, or **Garden Scale** = 1:22.5 ratio equipment on 1 gauge track.
- **O Scale** = (True-scale and Traditional) American True scale is accurately reproduced at 1:48 or 1/4" (one quarter-inch per foot) European O-scale is 1:43. Traditional O-scale is selectively compressed in size (examples are Lionel's 6464 boxcars). O-27 equipment is selectively modified to allow operation on O-gauge curves as tight as 27" radius.
- Although not shown on the chart, S-scale also has a range of narrow gauge variations.
- HOn3 1/2 (42" gauge) and HOm (1 meter gauge) both use TT gauge (12mm) track, larger than N, but smaller than HO.