



## **K.P.E.V. T3 / Br 89 0-6-0T**

In 1881, the Prussian State Railways ordered their first T-3 locomotives, unaware that this design was destined to become a world famous classic. To many railfans, the sight of T-3's unmistakable silhouette conjures up romantic visions of lonely branch-line operations with the tiny locomotives hauling a string of four-wheeled coaches into yesteryear. While it may be difficult to pinpoint exactly what endears the T-3 to railfans, there is no doubt that the locomotives' reliability and operating characteristics endeared it to both its engineers and owners. A total of 1550 T-3's were built between 1881 and 1906 with 1345 of these going to the Prussian State Railways. The remainders were used on privately-owned lines both in Europe and elsewhere.

The T-3's reputation was based on her simple yet ingenious design. The boiler was exceptionally efficient and generated fairly dry steam in spite of not having a superheater. The firebox grate area, originally 13sq ft was later increased to 14.5sq ft; the firebox squeezed in nicely between the last set of drivers. The 43 inch diameter drivers were supported at three points making the locomotive quite stable. The ancient Allan-Trick valve gear was almost humorous in its operation but did its job well. However,

time eventually caught up with the T-3; when branch line speed limits were raised from 30 mph to 40 mph; her speed capability of only 28 mph relegated her to yard duties for the remainder of her career.

A locomotive [review and essay on the T3 by Chip Rosenblum](#) is available in the reference section.



## Specifications

**Scale/Gauge:** 1/32 scale, 45 mm gauge

**Weight:** 2.16 kg

**Length:** 271 mm

**Width:** 96.2 mm

**Height:** 130.4 mm

**Wheel Arrangement:** 0-6-0T (6 wheeler)

**Wheel Diameter:** 34 mm spoked type

**Cylinders:** 2 Cylinders made of Phosphor Bronze, Bore 10 mm x Stroke 15 mm

**Valve Gear:** Allan Straight Link Valve Gear with Screw Reverser

**Boiler Type:** Type "C" with Two Fire Tubes of 12 mm Diameter

**Water:** 110 ml at 80% full

**Pressure:** 3 kg/cm

**Fittings:** Safety Valve, Regulator Valve, Blower Valve, Check Valve, Water Gauge and Pressure Gauge.

**Lubricator:** Roscoe Displacement Type

**Burner:** 4 Wick Tube Alcohol Burner

**Fuel Tank Capacity:** 50 ml at 80% full, a bush for Aster Utility Car is provided for longer periods of running

**Coupler:** European Standard Hook Coupler (Height 33 mm)

**Minimum Radius:** 0.6 m (Negotiable on an LGB radius)

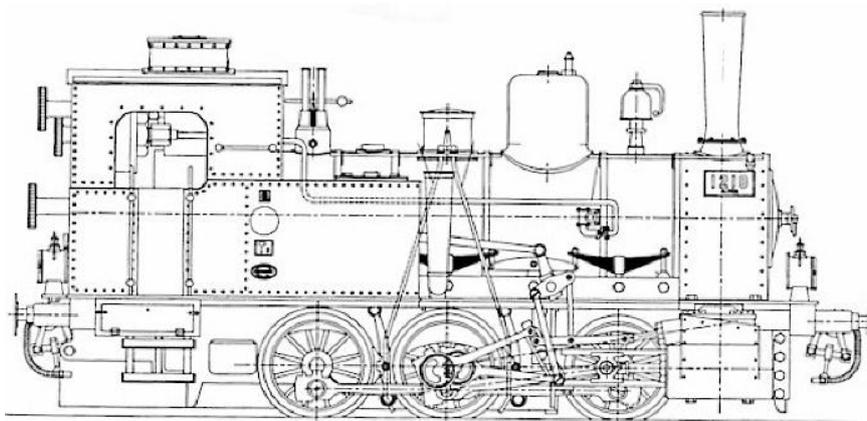




Photo - Howard Freed