



- Revolutionary Tamping Technology
- Automated Tamping Cycle
- Less Noise, Dust and Wear
- Remote Tamping Data Analysis



**GLOBE-CONNECT**

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The System7  
Tamping  
Head  
Attachment

**S7 THA 8 4.0**



## **TAMPING HEAD ATTACHMENT S7 THA 8 4.0**

1. Automated Tamping cycle.  
(Settings to be pre-selected through touch screen panel)
2. Operated via remote or wire controller.
3. 70% less wear and minimal maintenance in comparison with conventional tamping banks.
4. Vibrates only during insertion and compaction of the ballast.  
(Less acoustic and dust pollution)

### **Technical Specifications**

- Length: 68.5" (1740 mm)
- Width: 105" (2723 mm)
- Height: 79" (2011 mm)
- Height over rail head: 79" (1991 mm)
- Approx. weight: 5830 LB (2.65 ton)

### **Main Components**

- 6 hydraulic cylinders with integrated contactless position and pressure sensors
- PLC-control box with touch screen for automated tamping cycle
- GPS/GSM module for data transmission
- Remote control
- LED Lights
- Camera



-Touch screen setting panel



- Remote control

### **Computerized data (Accessible via PC or Mobile Phone)**

1. Detailed report of ballast bed hardness below each sleeper directly. (Graphic Report)
2. Real time GPS location track.
3. Recording + Pictures for Ballast Condition Evidence

### **Technical Advantages**

1. Amplitude and frequency are variable during insertion but stay constant during compaction through electric regulation which guarantees a frequency of 35 Hz and an amplitude of 2.5mm.
2. Tamping in the switches, inside and outside the gauge by lateral movable tamping banks. Tamping of double sleepers by adjustable opening width of the tamping tines.
3. Insertion depth is variable and can be pre-selected according to the track bed height. The lowering cylinders have an integrated distance sensor which guarantees to reach the pre-selected depth.



### **Excavator Requirements for S7 THA 8 4.0 work appropriately**

Hydraulic supply: 47.5 - 53 gallon/min (180-200 l/min) at 2610-2900 PSI (180-200 Bar) provided by one hydraulic cycle, hydraulic fittings and hoses with inch units.

**-Power supply: 24V, 18-20A**

- The wheels are adjustable to three gauges as standard 39.4" 56.5" 60" (1000, 1435, 1600). Other gauge settings can get implemented/manufactured upon request as option.



Tamping in the switch area

