



UNIMAT 09 – 32/4S DYNAMIC UNIVERSAL TAMPING MACHINE

STRABAG

UNIVERSAL TAMPING MACHINE

VEHICLE:

Licensed:

in acc. with EBA/DB AG Guidelines Section 32

Weight:

approx. 180 t

Height/width/length over buffers:

4,148/3,000/43,770 mm



GENERAL INFORMATION:

Manufacturer: Plasser & Theurer

Year of construction: 2010

VDM no.: 99 80 9124 004-9

Technical data:

Engine	2 x BF 8 M 1015C, water-cooled Active soot particulate filter
Output	2 x 370 kW
Number of axles	10
Deadman's vigilance device/IATC/ train radio communication (analog/digital)	yes/yes/yes
Working speed	up to 1,200 m/h (track)
Operating principle	two-sleeper with DGS operation possible, continuous and discontinuous
Min. radius when working/travelling	190 m/120 m

Equipment:

- Proportional parallel levelling system
- Single axis: 3-point alignment system with laser control
- Combined height/alignment laser in combination with curve laser system (CAL)
- Recording of the ACTUAL track position according to EM-SAT system
- 3-rail lifting and 4-rail tamping for plain track and turnouts
- Automatic laser control for divided long sleepers
- Automatic guiding computer ALC, WIN version
- Data processing possible for all EM-SAT data including GSM modem
- Digital 8-channel recorder:
 - Disks and CD drive, USB port, record function
 - DAR-Control and DAR-Graph (software for graphic evaluation of the MKS data)
 - Load recording by MKS in DGS operation
 - Track gauge measuring device, switchable
- 4 x two-sleeper tamping units with pivotable tines
- Latest design carbide-tipped tamping tines
- Front compactors for compacting the ballast bed
- 2 x stabiliser units, frequency 0-42 Hz adjustable, vertical imposed load
2 x 110 kN adjustable
- Sound-insulated operator cab
- Mephisto fixed point laser measuring instrument

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