Beaver S&C tamper





Beaver 90/4ZW lightweight tamper

The Beaver is a universal tamping machine capable of working on both Plain Line and S&C.

The machine is fitted with splithead tamping units and lifting cylinders for self loading/offloading or on/off tracking, which enables the machine to be operational very quickly at the worksite.

The machine is also fitted with a seven transmission channel writer and WIN-ALC computer system

- Manufacturer: Plasser & Theurer
- **Type:** 90/4ZW
- Manufacturer number: 2878
- ISM number: 23.20.04.0001
- VolkerRail mat. Number: 2004
- TCVT certificate: Yes
- IVW rail certificate: Not applicable
- EBA number: 04 F04 A001





Technical Information

Weight	40,000 kg	
Maximum speed self propelled	80 kph	
Brake system	DB-AG	
Brake weight P	19 ton	
Brake weight G	17 ton	
Handbrake	16 ton	
Number of axles	4	
Distance between bogies	8.000 m	
Axle centres	1.300 m	
Traction form	Diesel Hydraulic	
Length over the buffers	13.240 m	
Shunting	Not allowed	
Wheel Profile	UIC 505-1 / EBO	
Transport in train	Not allowed	
Engine and Power	Deutz BF6M1015C, 300 kW	
Minimum horizontal working radius	60 m	
Minimum vertical working radius	900 m	
Tyre diameter	730 mm	
Volume diesel tank	137 litre	
Emergency power engine	Hatz 1B20-6	
Tow capacity	Not allowed	
Link type	Spring, shock and pullingwork	
Maximum axle load	10 ton	
Year of construction	2004	
Drivers safety device	Present type SIFA	



Operation

Loading/off loading	2 persons
on/off tracking	2 persons
Plain line operation	2 persons
S&C operation	3 persons
Wrapping and unwrapping time	15 minutes
Loading and off loading time	20 minutes
Loading/off loading	2 persons
On/off tracking	2 persons
Plain line operation	2 persons

Plain line (metres/hours)

	Levelling/correcting <3cm	Levelling/correcting <6cm	New build
Plain line	300	250	200

S&C- depending on unit size, but on average it can tamp one unit per hour.

Notes

The machine can work on wood or concrete sleepered plain line.



Dimensions







