

LIGHTWEIGHT COACHSCREWING MACHINE

Model TEM2 (ST322A03-T2G2)



The **bolting coachscrewing machines model TEM2**, has been specially designed **to set and remove coachscrews** on tracks during railway maintenance operations. Easy to use and lightweight it **is suitable for all methods of rail laying, track renewal and complex maintenance operations** calling for accuracy.

The machine meets EC standards.

1. DESCRIPTION AND OPERATION

The lightweight coachscrewing machine model TEM2 mainly features:

- One **four stroke petrol engine**, air-cooled, with recoil starter, supersilencer with protective grid and engine remote stopping device (EC compulsory);
- **Two rotation speeds** to ensure coach screws and bolts are tightened to the **required torque**; a choice of speed is available using an adjustment lever (slow speed for tight coach screws, high speed for better output);
- **Maximum torque** for unscrewing operations;
- **One 4-wheeled trolley** rigidly fixed to the machine with removable outrigger for travelling on track;
- One lever-actuated **inverter** (for screwing or unscrewing);
- One **torque controller** with thumb wheel adjustment (mechanical thrust);
- One **remote speed changing device**;



- Lighting device
- One quick release fixing device for sockets (EC compulsory);
- One tool kit.

During operation all necessary controls are conveniently placed within the operator's reach.

Trolley rollers are electrically insulated to prevent interference with track signals.

All mechanical parts are made of special steel. They are treated, machined and set on ball or conical bearings providing a high degree of sturdiness. Oil baths in tight casings ensure permanent lubrication.

The machine is supplied without sockets and painted in yellow or RAL1004.

2. TECHNICAL DATA

- Track gauge: 1,520 mm (*others on request*)
- Petrol engine **Honda GX200**: 6.5 hp (4.8 kW) at 3,600 rpm
(*air-cooled, recoil starter, supersilencer with protective grid and engine remote stopping device*)
- Socket rotation speed (*low speed / high speed*): 50/120 rpm
- Maximum torque when screwing (*low speed / high speed*): 68/40 daN.m
- Maximum intermittent torque when unscrewing (*low / high speed*): 114/68 daN.m
- Drive size: 23 mm
- Dimensions:
 - Length: 1,750 mm
 - Width: 450 mm
 - Height: 840 mm
- Mass of the machine: 71 kg
(*in working condition and equipped with 3-wheeled trolley*)
- Mass of the removable outrigger: 4.4 kg
- Mass of the machine: 68.4 kg
(*in working condition and equipped with 4-wheeled trolley*)
- Mass of the 4-wheeled trolley: 35

In the interest of our customers and in anticipation of the constant improvements that we wish to bring to our equipment, we reserve the right to modify certain characteristics (without modifying its functions) during production. The track gauge and network type should be sent to us beforehand for verification, to ensure that the equipment offered is compatible.

Any modification and / or technical change arising after the date of the offer may result in a revision of the commercial offer.

Drawings and pictures may include some options and are not contractual.

Masses and dimensions may vary by $\pm 5\%$.