

PORTABLE IMPACT WRENCH

MODEL MIW 3

The **Portable Impact Wrench model MIW 3** is designed to **tighten and untighten coachscrews, fishplates bolts and nuts**. MIW 3 is the **most powerful machine on the market**, enabling the user to unscrew the tightest fastenings which can be found on railway tracks.

Its **comfort of use, very low vibration level**, its high power, and its **robustness** make this machine the ideal tool for railway applications.

MIW 3 is conforming to EC standards.



1. DESCRIPTION AND OPERATION

The **Portable Impact Wrench model MIW 3** is powered by a two stroke air-cooled engine with centrifugal clutch, diaphragm carburettor and electronic ignition.

It can be used in the horizontal position for fishplate bolts and nuts, or vertically for coachscrews and clipbolts (see picture).

MIW 3 has a rugged design which protects the lower part of the engine from damage during fishplate screwing operations.

MIW 3 has three handles to allow its safe use and ease of handling when operated in either the horizontal or vertical position.

Impact mechanism of the machine is equipped with an exclusive system which reduces vibrations level and therefore increases operator's comfort.

Oil bath provide lubrication with the following advantages:

- More complete lubrication than grease which does not always get to the active surfaces;
- Good heat dissipation and dampening of the noise generated by the impact mechanism.

Oil filling and oil draining is done through a magnetised cap which filters any metallic particles from the oil.

The machine is supplied without socket.

2. TECHNICAL DATA

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|---|-----------------------|
| – Stihl MS311 two stroke Petrol engine (air cooled) with centrifugal clutch, diaphragm carburettor (all positions with incorporated gas pump) and electronic ignition: | 3,1 kW at 9,500 rpm |
| – Easy inversion of rotation; | |
| – Maximum intermittent torque when unscrewing: | ≈ 2 600N.m |
| – Maximum torque when screwing: | ≈ 2 000N.m |
| – Socket fixation square: | 1 " |
| – Vibration level: | 11.7 m/s ² |
| – Tank capacity: | 0.6 L |
| – Dimensions: | |
| Length: | 650 mm |
| Width: | 450 mm |
| Height: | 275 mm |
| – Mass: | 19,1 kg |

3. ACCESSORIES AND OPTIONS (at extra price)

- **Auger attachment**
(non EC version)
- **Auger attachment**
(EC version – See picture on the right)
- **Reduction sleeve from 1" to 23 mm**
- **Socket extensions (200 or 330 mm)**
- **Ball fastening device for sockets**
- **Setting knob to adjust desired torque**
- **Sockets**
With pin fixing device, fully machined, case hardened and tempered, made of nickel chrome steel alloy, available for all types of coach-screws, clipbolts and fishplate bolts and nuts.



- **Support trolley**
This trolley is specially designed for the portable impact wrench model MIW 3 to ease the work of the operator and is characterized by its lightness, its robustness and its versatility.

The design of the support mechanism with its two pneumatic cylinders guarantees a perfect guiding of the machine and balances its weight for optimum operator comfort.

This trolley is electrically insulated and fitted with four single flanged rollers. A central pin-setting enables the trolley to be kept in a perfect vertical position despite the cant of the track.



The trolley can be easily folded for ease of transport. The support mechanism is then fixed to the folded trolley, which can then be transported with one hand only.

3. ACCESSORIES AND OPTIONS (at extra price – cont'd)

- Gauge: 1 435 mm
(others on request)
- Number of rollers: 4
- Gradient: 1/20th, 0 or 1/40th (others on request)
- Dimensions (folded):
 - Length: 875 mm
 - Width: 165 mm
 - Height: 495 mm
- Mass: 22,7 kg



*We reserve the right to modify any equipment specification of the present offer to take into account the latest technical improvements and working conditions at the date of manufacturing.
Pictures and drawings may include some options and are not contractual.*