

# CARRIAGE WELDYCAR



Technical offer WELDYCAR Rev C

## 1 - DESCRIPTION

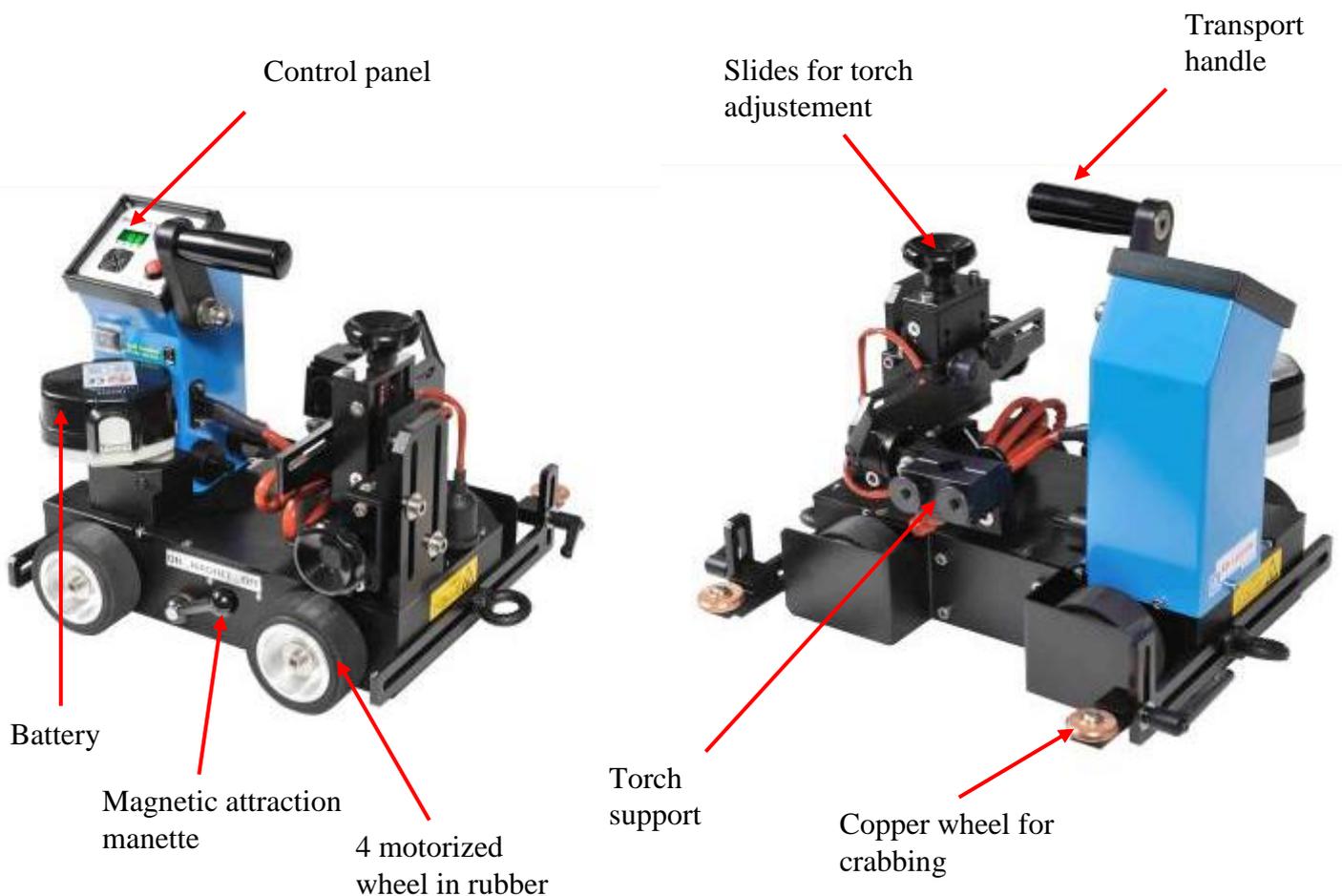
WELDYCAR 4-wheel drive portable carriages are specially designed for mechanizing semiautomatic welding operations in various positions (horizontal, inclined plane, vertical).

WELDYCAR NV carriages are completely autonomous, with a rechargeable battery allowing 6 hours of continuous operation. These carriages can be immediately integrated into all types of manual welding installations without additional connections. They are light and robust, thus providing the quality of automatic welding while allowing rapid implementation and ease of use.

The magnetized base allows for vertical upward welding without additional tools and is easily activated by a lever mechanism. The optimized microcontroller based electronic architecture allows complete open-endedness (specific program upon request). Three different carriage versions are available, with various possible options.

The WELDYCAR is delivered with :

- 1 battery
- 1 battery charger
- 1 technical documentation



Three versions are available to satisfy all types of applications and conditions of use.

**WELDYPAR SP NV:** ref: **W000315587**

Basic model, 15 to 140 cm/min, supplemented by a programming device allowing continuous or discontinuous welding (specific programming based on welded length and total length, in mm).

**WELDYPAR S NV:** ref : **W000315588**

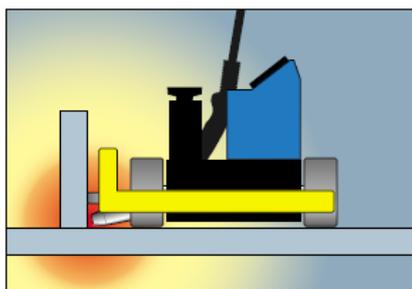
Equipped with a motor drive allowing a displacement velocity of 15 to 140 cm/min. Basic model for routine applications.

**WELDYPAR NV:** ref: **W000315589**

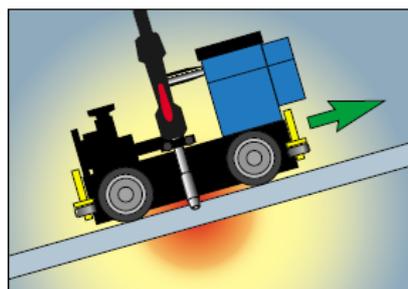
Equipped with a motor drive allowing a displacement velocity of 5 to 70 cm/min. Model specifically intended for vertical position welding operations with a torch oscillator.

**Multi-surface welding**

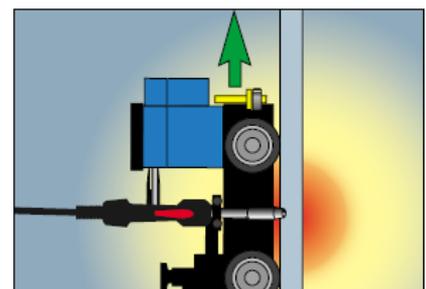
The WELDYPAR carriage's 4-wheel drive and magnetic attraction system (25-kg force) ensures perfect traction and enable welding in all positions.



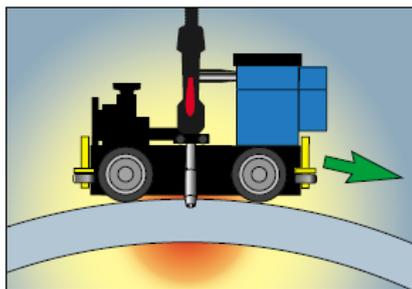
*Flat welding.*



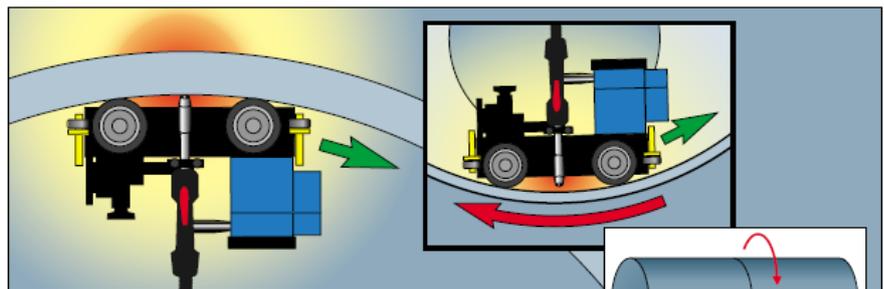
*Inclined plane.*



*Vertical welding.*



*Shell exterior with minimum diameter of 2000 mm.*



*Shell interior with minimum diameter of 3000 mm.*

## 2 - OPTIONS

### **Option Arc protection : Z91300108**

Kit composed of :

- Ocular protection against arc light
- Tube for connection to welding fume suction device



### **Option Pendular oscillator : W000315474**

Ensures torch oscillation at adjustable speed and amplitude. Powered by the carriage's 14V battery (carriage autonomy reduced to 4 hours of continuous operation).

- Oscillation frequency: 0 to 100 strokes/min
- Weight: 2 kg



### **Option Aluminum wheel : ALU-WHEEL**

For pre-heated surfaces, the rubber is recommended. Some aluminium wheels should be mounted on the WELDYCAR.

For 1 WELDYCAR, 4 wheels are needed.



**Option Linear oscillator OSCI-WELDY : W000276068 (See standard offer)**

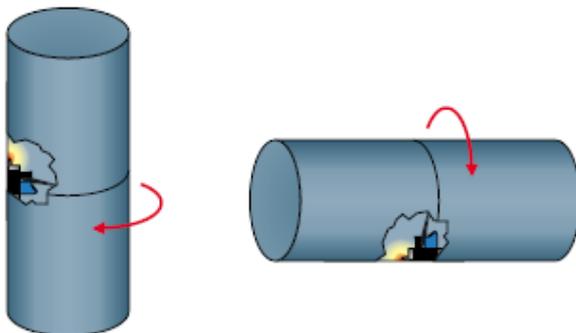
This function is now available on all carriages WELDYPAR, without any particular adaptation. Thanks to its design, the oscillator allows a movement with a precision of 0.1mm. (carriage autonomy reduced to 2 hours of continuous operation).

- Oscillation amplitude 56mm
- Weight: 2.7 kg
- See special offer for the OSCI-WELDY



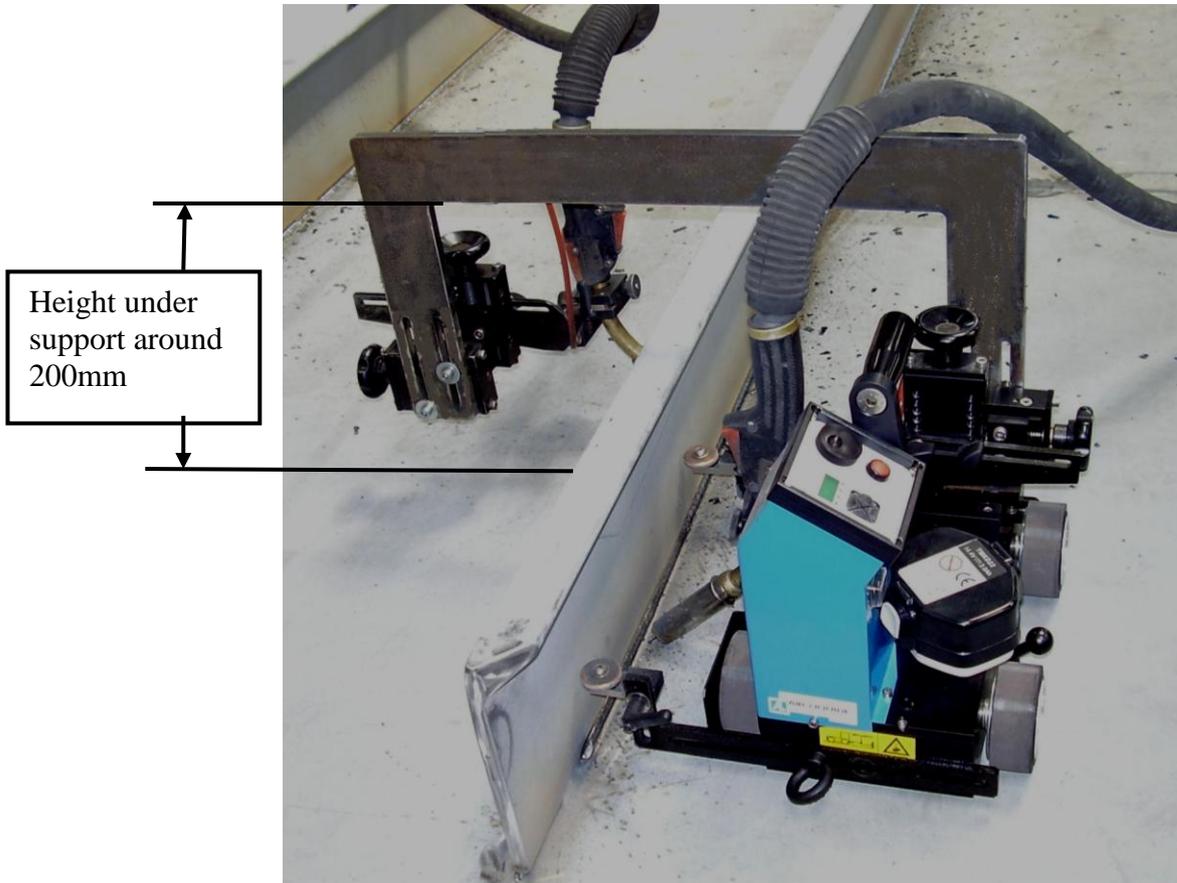
**Option Magnetic railway**

The magnetic railway, made in toughened steel (1500x80), is a device which allows to follow a welding joint. This railway, mounted on 11 magnetic grips, can be fixed on tank or on steel plate, and thanks to arm support, the weldycar follows the magnetic railway. We propose 1 first section of 1.5m with arm support, and additional sections of 1.5m.



### Option double torches MIG : WELDY\_2TORCH

This option allows to weld with 2 MIG torches simultaneously. That consists to add an additional support on which we put 2 crossed slides and an angular device.



NOTA : In Special, it's possible to have a WELDYCAR PRO VERSION with 2 starts connectors : Consult us.

### 3 – CHARACTERISTICS

		<b>WELDYCAR SP NV</b>	<b>WELDYCAR S NV</b>	<b>WELDYCAR NV</b>
		W000315587	W000315588	W000315589
Autonomy without oscillator :	-	6h of continuous operation		
Autonomy with pendular oscillator :	-	4h of continuous operation		
Magnetic attraction force :	Kg	25		
Programming device :	-	Yes	No	No
Carriage speed :	cm/min	min : 15 max : 140	min : 15 max : 140	min : 5 max : 70
Protection class :	-	IP 235		
Weight :	Kg	11		
Dimensions (Length x Width x height) :	mm	250 x 300 x 260		
Supply :	-	14V with battery		
Stroke of crossed slides :	mm	40 x 40		
Operating temperature :	-	-5°C to +50°C		
Storage temperature :	-	-10°C to +70°C		
Relative humidity :	-	< 90%		

## 4 – PRICE AND DELIVERY

### PRICE

- **WELDYPAR SP NV (W000315587):**  
Carriage 140cm/min with programming
- **WELDYPAR S NV (W000315588):**  
Carriage 140cm/min
- **WELDYPAR NV (W000315589):**  
Carriage 70cm/min
  
- **OPTION**
  - **Arc protection (Z91300108)**
  - **Extra Battery (Z91300106)**
  - **Pendular oscillator (W000315474)**
  - **Aluminum wheel (per piece)**
  - **Linear oscillator (W000276068)**
  - **Magnetic railway :**
    - **1 railway of 1.5m + supports**
    - **1 additional railway of 1.5m**
  - **Kit 2 torches :**

### COMMERCIAL CONDITIONS

a) **Delivery conditions: Ex-Works**

b) **Payment conditions:**

- ❖ 30% from the total price in advance within 5 working days from the order(first payment)

- ❖ 60% from the total price when the goods are ready to be delivered from factory (ALW will send to you an official letter in order to release the payment); delivery will be done after payment
  - ❖ 10% from the total value within 15 days from the date of signing the acceptance protocol
- c) **Delivery time:** without options normally in our stock (to be confirmed upon order), so up to max. 1 week from the date when the following conditions are fulfilled:
- ❖ first payment is done
  - ❖ sales contract is signed

**VALIDITY OF THIS OFFER IS 30 DAYS, FROM DATE OF EMISSION.**

**Other conditions :**

- ❖ The equipment will be considered accepted also without the signing of the Acceptance Protocol 15 days after completing of the installation if no official written complain would indicate otherwise.
- ❖ In the situation when the Buyer does not fulfil the payments, the Seller can ask for repossession, and can take back the equipments from the buyer, because the present contract constitutes an executor title.
- ❖ Rights of property of the goods will pass when all money owed by the Buyer to ALW shall have been paid. Notwithstanding that such rights or property to the goods have not passed to the Buyer.
- ❖ The risk in the goods shall pass to the Buyer from the time they have been placed at his disposal.