

USER MANUAL BIG PULLER



ATTENTION!

Before using the firing system, read this manual carefully.

This equipment has been manufactured in accordance with the Directive 2006/42/CE.

This manual describes the pulling system **BIG PULLER**.

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1. INTRODUCTION

This manual is intended for the personnel responsible for safety in the company and the person using the equipment, so you should read all the information in it carefully.

The manual indicates the characteristic data of the equipment, the instructions for its correct use and the specific use of the machine.

The manual must be kept with the machine and must be available to anyone for incident, malfunction or inspection.



READ THE MANUAL CAREFULLY BEFORE USING THE EQUIPMENT.

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2. IDENTIFICATION OF EQUIPMENT

The Big Puller is designed for pulling repairs on vehicle body panels.

The pulling base with suction system is the indispensable complement for dent work. The pulling force is controlled by a manual winch with band and automatic brake, providing the necessary pressure in every repair. The base is fixed to the ground by means of a pneumatic vacuum, allowing total mobility throughout the workshop. The tower has several adjustment positions so that the draft can be adapted as much as possible to the needs of the repair. Its aluminium structure makes it light and easy to transport.

For its transport, it has two rear wheels and special handles, which allow the equipment to be moved easily without any effort on the part of the user.

A label on the column of the Big Puller with the serial number and CE mark identifies each machine. In the event of any anomaly, contact PRIMA SRL with reference to the data on the label.



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3. ESSENTIAL SAFETY REQUIREMENTS

The correct operation of this equipment depends on the correct use of its various parts.

These operations must be carried out by trained and experienced personnel.

The manufacturer is not responsible for the safety of the equipment if ordinary and extraordinary maintenance and repairs are carried out by personnel not authorised by PRIMA SRL or if the equipment is used for other purposes.



WARNING! FOR YOUR SAFETY, IT IS NECESSARY TO READ THIS MANUAL CAREFULLY.

Be very careful, as incorrect use can cause serious damage to property and persons.

The necessary precautions for its use and safety are given below:

- As this is a tool that exerts traction on an element, you should not stay behind the equipment to avoid damage the release of the belt when exerting traction.
- To ensure proper floor force, it is necessary that the support area is clean from dust, liquids and grooves, to guarantee the correct sealing of the gasket under the base.
- The equipment has two rear wheels for movement and positioning, for the displacement it is necessary to tilt the column and move it using the handles.
- The equipment requires compressed air to operate (recommended operating pressure 6 bar). At each pull, check that the base is firmly fixed to the floor.



WARNING! ALWAYS USE WITH AIR CONNECTED.

Always check the air connection before performing any pulling operations.

- If the equipment is operated without compressed air, PRIMA SRL is not responsible for any damage caused to persons or property.

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4. INSTRUCTIONS FOR USE

All the following operations must only be carried out by trained and qualified personnel.

If the following instructions are not followed or if the pneumatic connections are changed, the manufacturer accepts no liability for faults or damage caused by a malfunction of the equipment.

The following are the operations to be followed for the correct use of the BIG PULLER.

1) By means of the wheels, keeping one hand on the column, it will be possible to move the BIG PULLER in the work area, the floor
where it will be positioned must be clean and free from cracks.

2) Position the BIG PULLER at the distance and in the direction the operator deems most appropriate for carrying out the repair work,
connect the compressed air hose with the quick coupler, open the tap so that the ejector generates a vacuum under
the base to
generate a force of approximately 1500 kg, locking the tool in place.

3) Position the winch at the desired height by acting on the handle (33) with one hand, holding it with the other hand so
that it does not
slip on the ground.

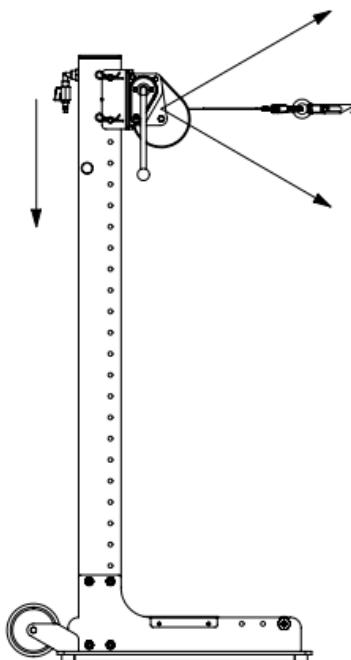
4) The traction force is exerted with the winch where the band is wrapped by means of a ratchet system that the operator
operates with
the handle, the winch is equipped with an automatic locking brake to keep the traction force blocked.

5) The pull force required will depend on the repair to be performed, with a pull being exerted by the winch, pulls with
higher forces
could damage the mechanism or cause it to lose vacuum action under the base, resulting in the equipment tipping
over.

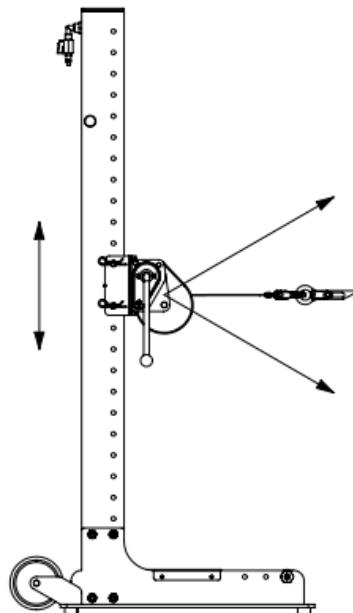


WARNING! ALWAYS USE THIS SYSTEM FOR STRENGTHS LESS THAN 250 kg (Pos.1).

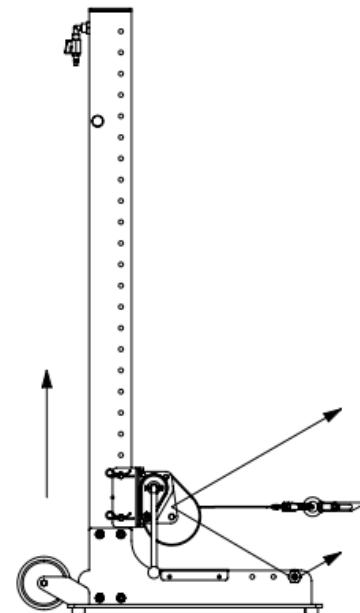
5. POSITIONING EXAMPLES



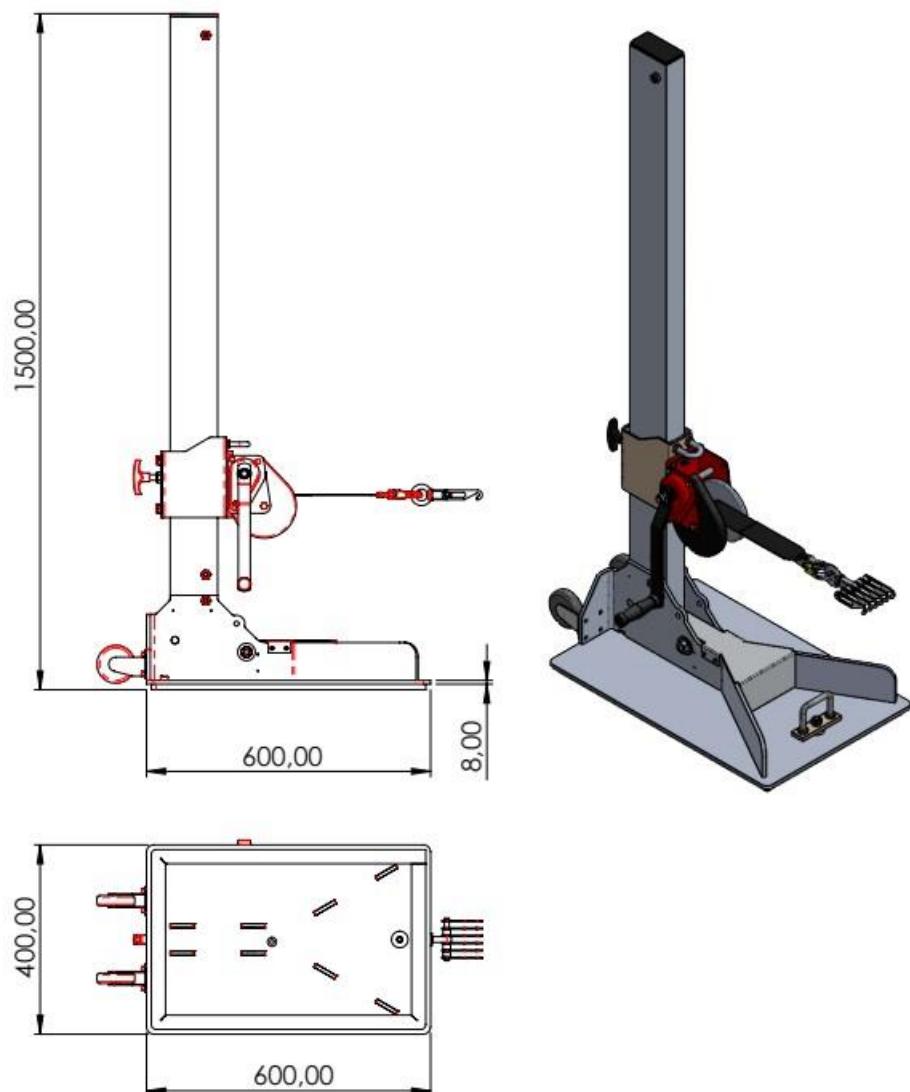
Pos.1 kg 250 MAX



Pos.2 kg 400 MAX



Pos.3 kg 500 MAX



Generic measures	(600X400)
Height	1500 mm
Thickness	08 mm
Kilogram	24 kg

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6. PRECAUTIONS

All of the following operations should only be performed by trained and qualified personnel. Failure to comply with the following instructions, or alterations to the pneumatic connections, shall relieve the manufacturer of all liability or damage caused by improper operation of the equipment.

The operator must check that it is there:

- compressed air pressure and flow rate.
- sealing gaskets.
- too much pulling force.

In the absence or in the presence of these situations, instability can be generated with detachment from the floor of the tool and consequent overturning of the same in the direction in which the force is exerted.

⚠ WARNING! MAKE SURE THE BASE IS LOCKED TO THE GROUND BEFORE STARTING THE WINCH DRIVE.

- The traction band loosens during the pulling phase; in this condition check the automatic winch brake.

⚠ WARNING! WHEN THE STRAP IS PULLED, NO PERSON OR MATERIAL SHOULD STAND AROUND THE EQUIPMENT.

⚠ WARNING! BEFORE OPENING THE HANDLE (33) OF THE WINCH, SUPPORT IT WITH THE OTHER HAND, IN ORDER TO AVOID IT FALLING ALONG THE COLUMN.

7. MAINTENANCE AND REPAIR

All maintenance and repair checks should be performed by trained personnel who have read this manual and the operating instructions.

The following is a list of recommendations for possible repairs to the equipment.

The equipment should be placed in a flat location, free of scratches or cracks and clean of dirt and dust.

The gasket should be checked for proper sealing under vacuum.

In case of poor condition, always use original parts and consumables to ensure proper operation.

If the problem persists call PRIMA SRL technical assistance service.

Check the condition of the band, as well as its fasteners, before applying traction force on them, in case of deterioration or wear, always use original consumable elements, to ensure proper operation of the equipment.

8. DISMANTLING AND DEMOLITION

CAUTION: if it is decided to take the equipment out of service, it must be dismantled and scrapped in accordance with the regulations in force, making a separate division of the materials:

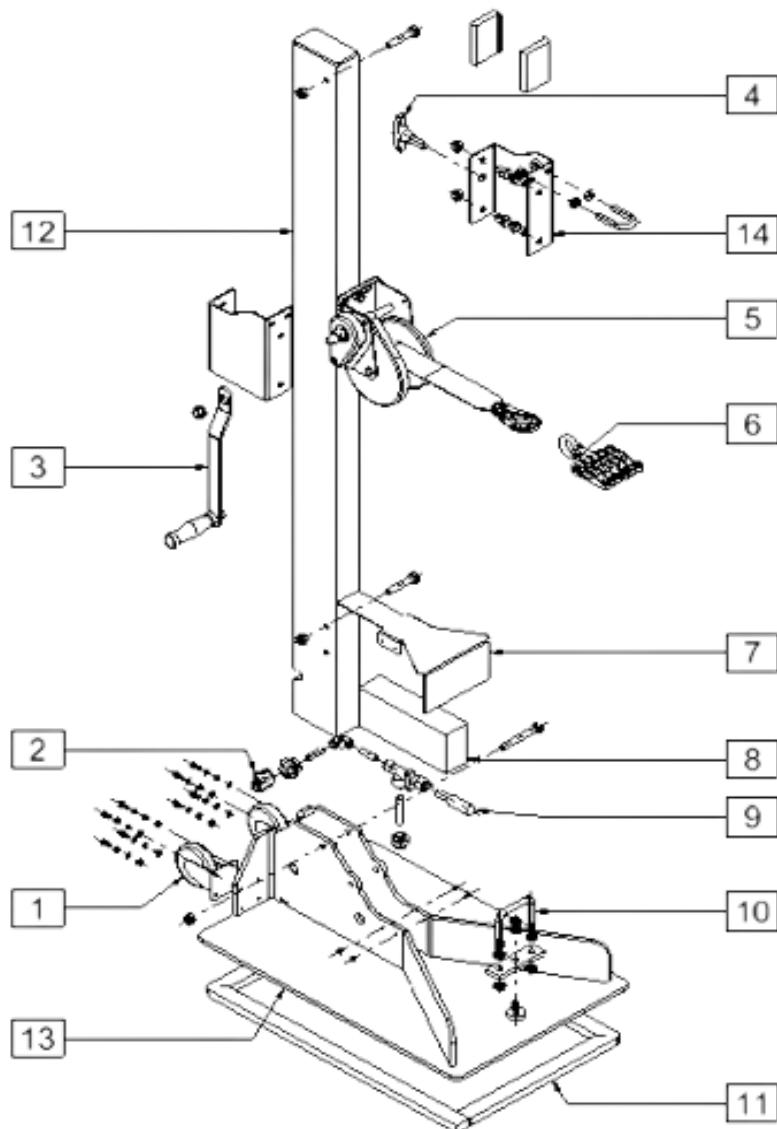
Metalli.

Materiale plastico, gomma.

WARNING: waste materials must be sorted and disposed of in accordance with current legal requirements.

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9. RECOMMENDED SPARE PARTS



Pos.	Code	Description	Q.ty
1	90020225	WHEEL D.125 IN THERMOPLASTIC RUBBER WITH PP CENTER	2
2	90020177	AIGNEP BALL VALVE 1-4M_1-4F	1
3	90020142	WINCH LEVER 2nd SERIES	1
4	90020185	ROD M12X40 L=72 BLACK	1
5	90020178	WINCH RBW 1500 WITH BRAKE, 50mm BAND L=6m HOOK CAPACITY 681kg	1
6	60010407	MG 610 MULTIHOOK	1
7	90020220	VENTURI PROTECTION	1
8	90020206	OPEN CELL MOLTOPREN EXPANDED MOUSSE 115X80X50	1
9	90020168	SILENCER POLIET. RECORD AUTO Q.12	1
10	90020227	TUBE Ø12X10 L=50MM PA12 BLUE	1
11	90020175	EXPANDED MOUSSE 30X15 L=1800	1
12	90020224	POLE	1
13	90020219	BASE	1
14	30010068	COMPLETE SLIDING	1

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10. Addendum to the Big Puller manual

PRIMA SRL UNIPERSONALE offers the following optional accessories to accompany the BIG PULLER, both pneumatically and battery activated:

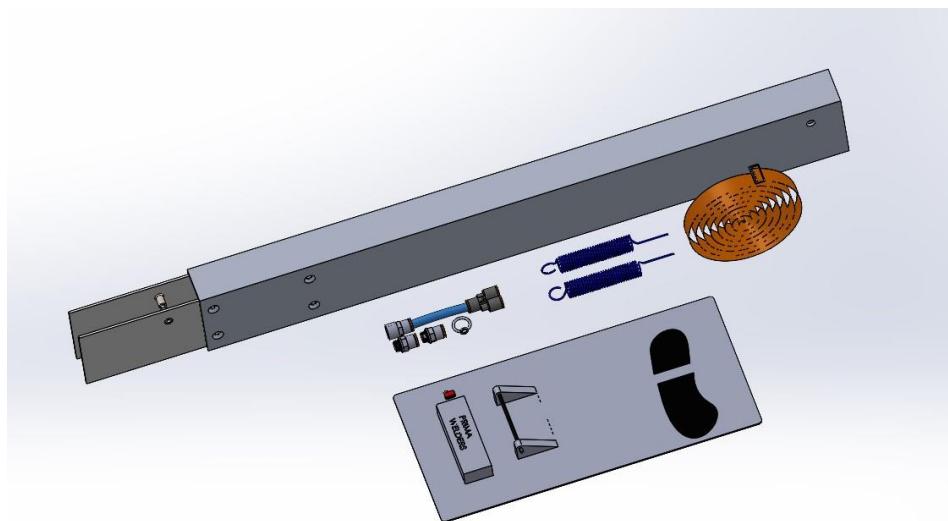
1) EXTENSION KIT	code 30010070
2) MULTI HOOK KIT	code 30010065
3) COUNTERPULLING BASE	code 90020294

11. EXTENSION KIT, KPP

This accessory allows you to increase the working height of the BIG Puller by extending the height of the BIG PULLER itself by 800 mm.

Is composed by:

Pole extension
Counterpulling base
1 ratchet strap
2 flexible hoses
Pneumatic fitting kit



The pole extension was designed to be installed on the original pole using a screw. Installation takes place after removing the plastic cap located at the top of the pole itself. With the extension installed, the sliding winch holder bracket can slide up to the new maximum height of 2200 mm from the ground.

Given the significant increase in moment, it is necessary to use the counter-shooting base by placing it behind the Big Puller and connecting it to the Big Puller itself via the belt. The Big Puller and the counter-shooting base must be fixed to the floor, so the belt is tensioned.

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12. ASSEMBLED KIT

To assemble it please follow this instruction:

- 1) Unscrewing and taking off the nut
- 2) Screwing the eyebolt instead
- 3) The strap has the hooks at its ends: use them to link the eyebolt to the auxiliary platform and adjust the relevant length with the ratchet
- 4) Connect the two hoses to the Y-joint and then to the air outlet



TABLE OF APPLICABLE FORCES $F(h)$

Height from the ground h in mm	Traction applicable daN
1500	300
2100	150

Nota: increasing the angle between strap and post, the performance increases as well.
You can get the maximum pulling force with 180° angle

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13. MULTI HOOK KIT

This accessory allows you to have a set of coupling systems suitable for different geometric configurations.

Is composed by:

1 case

1 set with two multi-hooks and one eyebolt

1 set of three multi-hooks with central joint and curved part, one eyebolt

1 set of three multi-hooks, straight, one eyebolt.



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14. COUNTER PULLING BASE

This accessory allows you to exert a pulling strength equal and opposite to the one applied by the BIG PULLER, therefore it is useful all those times that the BIG PULLER tends to move the vehicle being worked on.

It's composed by:

- 1 Counter pulling platform
- 1 ratchet strap



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VERKARING VAN CONFORMITEIT

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